

# SUPPLIES & EQUIPMENT FOR CONTROLLED ENVIRONMENTS

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**spectrum**  
CHEMICAL MFG CORP

800.772.8786  
SpectrumChemical.com

# Spectrum Chemical Mfg. Corp.

This Controlled Environment catalog provides a wide variety of supplies and equipment for cleanroom effectiveness and safety. Spectrum is here for all your controlled environment needs.

- Serving Laboratories for more than 45 years
- 200,000+ Supplies and Equipment Items
- 40,000+ Chemicals
- 3,000+ Bulk Chemicals
- 1,200+ USP/NF/FCC Chemicals
- 250+ Manufacturers
- cGMP Compliant Bicoastal Facilities
- Outstanding Customer Service
- Same Day Shipments



## Placing An Order

Account Number:

Phone:

800.772.8786  
310.516.8000

Fax:

800.525.2299

Email:

[sales@spectrumchemical.com](mailto:sales@spectrumchemical.com)

Internet:

[SpectrumChemical.com](http://SpectrumChemical.com)

Account Executive:

Office Hours:

8 am to 8 pm ET

Mail:

Spectrum Chemical Mfg. Corp.  
769 Jersey Avenue  
New Brunswick, NJ 08901-3605

Locations:

New Brunswick, NJ  
Los Angeles, CA  
Tucson, AZ



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## Spectrum Chemical Mfg. Corp.

Since 1971, Spectrum has been focused on delivering high quality chemicals with transparency and traceability you simply will not find anywhere else. Spectrum has the largest selection of monograph chemicals available for manufacturing food, drug and personal care products. Products are available in laboratory and production quantities, with more than 3,000 chemicals in bulk sizes.

All monograph products are manufactured, packaged and stored under current Good Manufacturing Practices (cGMP) per 21CFR parts 210 and 211 in FDA registered and inspected facilities in California, New Jersey and China. Spectrum's change control capabilities ensure that your specifications and requirements remain locked in, providing a seamless transition from process development through pilot, scale-up and production.



Bottles to **BULK**

## Lab Equipment, Supplies, and Safety

Leveraging our leadership in the chemical industry, we have amassed more than 200,000 supplies and equipment items from more than 150 manufacturers, making Spectrum a go-to solution for lab equipment, supplies, and safety.

### Equipment

With equipment ranging from weighing, measuring, and stirring items to thermal cyclers and microscopes, we are able to cover a wide range of lab needs and applications.

### Supplies

Supplies include glassware, test tubes, culture dishes, and filter funnels, plus a variety of other essential items used in scientific research.

### Safety

Spectrum's selection of lab safety supplies, including face masks, lab gloves, air respirators, first aid supplies, safety monitors, and cleaning products, help keep employees healthy and productive.

# Spectrum's Wide Array of Products



## Spectrum Chemicals & Laboratory Products Catalog

Over 15,000 chemicals and reagents available in a single volume for research and laboratory use. Spectrum also distributes

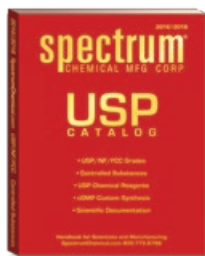
over 110,000 supply and equipment items from over 250 manufacturers including Corning, Thermo Fisher Scientific, GE Whatman, PerkinElmer, Microflex and Kimble Chase just to name a few. (2,080 pages)



## Chemical Solutions Catalog

Spectrum provides US-based custom synthesis and contract manufacturing for new chemical entities (NCE's) and commercial cGMP manufacture of

active pharmaceutical ingredients, DEA Controlled Substances (Schedules II-V) and their chemical intermediates. This brochure details Spectrum's capabilities. (208 pages)



## Spectrum USP/NF/FCC Catalog

This catalog contains over 2,200 monograph chemicals, DEA Controlled Substances (Schedules I-V), research chemicals, and reagents for USP testing. This Handbook

for Scientists and Manufacturing contains the most comprehensive listing of monograph chemicals available from a single source. (472 pages)



## Spectrum Organic Chemical Catalog

Our full line of organic chemicals is available from stock!

Offering over 35,000 specialty organic laboratory chemicals for use in research

and science including synthetic organic chemistry, materials chemistry, oligosaccharide chemistry, bioscience and analytical science. (2,448 pages)



## Spectrum Bulk Fine Chemicals and Intermediates Catalog

Over 3,300 BULK fine chemicals available in production quantities including active pharmaceutical ingredients

and intermediates, excipients, DEA Controlled Substances (Schedules II-V), cGMP custom synthesis services, dietary supplements, cosmetic ingredients and food grade/Kosher products. (552 pages)



## Spectrum Chromatography & Spectroscopy Catalog

A complete laboratory at your fingertips featuring PerkinElmer's entire line of consumables for GC, HPLC, IR, UV/VIS, AA, ICP, mass

spectrometry and over 1,250 commonly used chemical reagents and solvents. All HPLC solvents offered by Spectrum are glass distilled, submicron filtered, and undergo rigorous specification testing to insure accurate results. (416 pages)

## The Spectrum Difference

# Quality and Transparency

Spectrum's certification to ISO 9001:2015 and ISO 17025:2005 standards along with strict adherence to current Good Manufacturing Practices (cGMP) form the foundation of our Integrated Quality<sup>SM</sup> (IQ) program. All raw materials and finished goods entering our facilities are subject to stringent in-house testing in our analytical laboratories to ensure all chemicals and ingredients meet our own high quality standard.

Spectrum's extensive knowledge and experience in the changing global regulatory environment ensure that our products are compliant with the US FDA, DEA, ICH WHO and other worldwide regulatory entities. Here are some of the ways Spectrum is committed to providing you the highest quality raw materials:

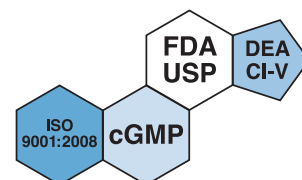
- All of Spectrum's global manufacturing and distribution sites are FDA registered and operate under current Good Manufacturing Practices (cGMP).
- All Spectrum facilities are certified to the current ISO 9001:2015 quality standard.
- Spectrum's Shanghai, China analytical laboratory is certified to the ISO 17025:2005 quality standard as an independent third-party testing laboratory.
- Spectrum is registered with the DEA as a manufacturer of Controlled Substances (Schedules I - IV).
- Spectrum performs manufacturer site audits to ensure regulatory compliance and batch-to-batch consistency.
- Spectrum supports Rx-360, an international pharmaceutical supply chain consortium, and supports transparency in the supply chain.



Tom Tyner, Vice President of Quality Assurance/Quality Control at Spectrum Chemical Mfg. Corp., was appointed 2017 Chair of the American Chemical Society Committee on Analytical Reagents. For nearly 30 years, Tom Tyner has championed Spectrum's initiatives to make Quality the highest priority. Spectrum is dedicated to continuous improvement of the quality system at every level throughout the company.

**spectrum**<sup>®</sup>  
CHEMICAL MFG CORP

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# When Your Research Requires the Highest Quality Products – Look to Spectrum.



**Spectrum offers the most extensive line of premium compounding ingredients, supplies, and equipment with quality and delivery you can count on every time.**

Our in-house laboratories set Spectrum apart from all other suppliers in the industry. We have been testing pharmaceutical ingredients in our Quality Control laboratories for over 45 years. Our distribution sites are FDA registered and cGMP compliant, and all Spectrum products are subject to rigorous analytical testing in our current Good Laboratory Practices (cGLP) laboratories. Spectrum's staff of more than 45 chemists, technicians, and pharmacists have extensive pharmaceutical experience utilizing state-of-the-art equipment and performing the following:

#### **Instrumental Analysis:**

- ICP/MS
- UPLC/HPLC
- Gas Chromatography
- Atomic Absorption
- Fourier Transform Infrared Spectroscopy
- Ultraviolet/Visible Spectroscopy

#### **Microbial Testing:**

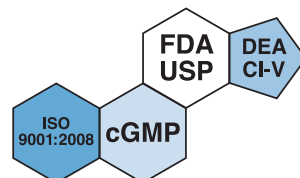
- Differentiate Bacterial Colonies
- DNase, RNase, Protease
- Endotoxin by LAL
- Total Plate Count
- Yeast and Mold

Request your copy of our USP and Bulk Chemical catalogs  
[info.spectrumchemical.com/usp-bulk-catalog](http://info.spectrumchemical.com/usp-bulk-catalog)



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# eBusiness Solutions

## Streamline Your Process with SpectrumChemical.com

### Finding what you want has never been easier

#### Search products by:

- Keyword or Phrase
- Molecular Weight
- Formula
- Chemical Name or Synonym
- CAS Number
- Manufacturer Item Number
- Catalog Number
- Vendor Item Number
- Chemical Structure

### Order online with assurance

- Transact Using Secure Encrypted Technology
- Receive Real-Time Product Availability
- CSOS Electronic 222 Ordering
- View Current Status of Your Order
- View Account-Specific Pricing
- View Order and Payment History
- Receive Shipment Tracking Notification

### Available Integration Services

- Punchout (Direct or 3rd Party)
- Electronic Data Interchange (EDI)
- cXML / XML

### Stay connected

- Download the Latest Literature and Catalogs
- Download Scientific Data Packages
- Download Lot-Specific Certificate of Analysis
- Download Safety Data Sheets (SDS)
- View Current Product Specifications
- See Promotions, News, and Events

### Request quotes and convert to orders

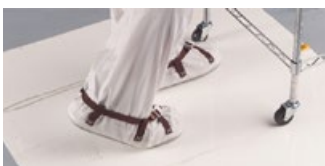
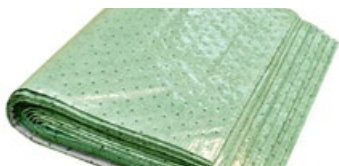
- Request Online Quotations
- Receive Notification of Quote by E-mail
- Convert Any Quote to an Order

### Reduce procurement costs

SpectrumChemical.com is fully integrated with a number of enterprise procurement systems (SAP®, SciQuest®, Ariba®, Exostar®, PerfectCommerce®, etc.). Bridges to additional B2B e-commerce systems can be added upon request.



To Order – Call 800.772.8786



# CONSUMABLES FOR CONTROLLED ENVIRONMENTS



**Tronex\* Fluid Resistant Beard Covers**

- Constructed of a high-quality, breathable, non-woven spunbond material
- Designed to provide an effective beard restraint and particle barrier
- Attaches securely around the ears (double hooks) for a customized fit
- Manufacturing certified ISO 9001 for Quality Management Systems
- Manufacturing certified ISO 13485 for Quality Management Systems for Medical Devices
- 100% latex-free
- White



Catalog No.	Pkg of 100	Case of 1000
201-86709	11.75	43.95

**Epic\* Cleanroom Beard Covers**

- Breathable polypropylene fabric
- Latex-free elastic headbands
- ISO Class 6 compatible
- Universal size
- White



Catalog No.	Qty/Case	Case
202-90088	500	36.85
202-10044	1000	66.90

**Worklon\* LD-100 System Cleanroom Bouffant Cap**

- Made from polyester tricot
- Elasticized opening
- Gamma compatible
- Autoclavable
- Universal size
- White



Catalog No.	Each
201-85333	24.95

**Epic\* Cleanroom Disposable Bouffant Caps**

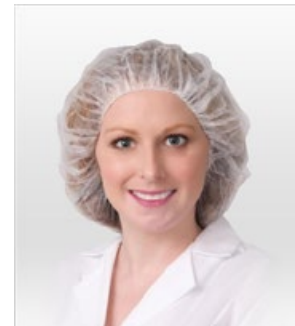
- Low-lint, full coverage cleanroom bouffant style caps
- 100% virgin spunbond polypropylene fabric
- Lightweight, cool, and breathable
- Latex-free elastic headband is fully encapsulated by polyester thread for added comfort
- Individually inspected for sizing, stitching, and workmanship
- ISO Class 6 compatible
- Neatly stacked and cleanroom packed



Size (in.)	Catalog No.	Qty/Case	Case
<b>White</b>			
19	202-90133	1000	63.65
21	202-90115	500	40.05
21	202-90127	1000	66.35
24	202-90118	500	42.60
24	202-90130	1000	61.90
28	202-90136	500	53.05
<b>Blue</b>			
21	202-90121	500	40.05
24	202-90124	500	42.60

**Pharma-Choice\* Pharma-Cap\* Polypropylene Bouffant Caps**

- Designed to cover you hair and prevent shedding
- Aids in cleanroom contamination control
- Made from non-shedding, non-woven, spunbond polypropylene
- Designed for comfort
- Lightweight for breathability
- Non-sterile



Size (in.)	Catalog No.	Bag of 100	Case of 1000
<b>White</b>			
21	205-10125	20.95	104.75
24	205-10131	20.95	104.75
28	205-10137	20.95	104.75
<b>Blue</b>			
21	205-10128	20.95	104.75
24	205-10134	20.95	104.75

**DEACTIVATION**

Deactivation is the process that renders a compound or hazardous drug inert or inactive. There is no one method proven for deactivating all compounds. The ultimate goal should be complete surface decontamination. Products that have known deactivation properties (EPA-registered oxidizing agents that are appropriate for intended use) should be used when possible. Use care when selecting materials for deactivation due to potential adverse effects such as hazardous byproducts, respiratory effects and caustic damage to surfaces.

To Order – Call 800.772.8786

**ValuMax\* Pleated Bouffant Caps**

- Protects wearers in dry, non-hazardous environments against dirt and germs
- Latex-free, elastic headband for a secure and comfortable fit
- Breathable polypropylene fabric
- Pleated / expandable design



Size (in.)	Catalog No.	Pkg of 100
<b>White</b>		
21	201-86862	20.60
24	201-86868	20.60
<b>Sky Blue</b>		
21	201-86865	20.60
24	201-86871	20.60

**Unisex Surgical Scrub Caps**

- 100% cotton
- Adjustable tie tape for a comfortable fit



Color	Catalog No.	Pkg of 12
White	201-86358	15.00
Jade	201-86361	15.00
Ciel Blue	201-86364	15.00

**ValuMax\* Polypropylene Surgical Caps**

- Non-woven polypropylene fabric
- Fluid-resistant
- Latex-free
- Universal size
- Blue



Catalog No.	Pkg of 100
201-86760	28.20

**BioClean-D\* Sterile Drop-Down Garment with Hood**

- Sterile anti-static disposable garment manufactured from low-linting durable CleanTough\* material
- Unique design offers a true aseptic gowning technique
- Internal colored tabs to indicate safe touch points to prevent touching the outside surface
- Up and over donning design eliminates the risk of the garment touching the floor
- Strategically placed quick release tabs to hold and remove during zip closure and removable zip tab to complete and ensure aseptic donning
- Bound seams with single needle stitching
- Gamma irradiated to SAL 10<sup>-6</sup>
- One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 20 outer bags per per lined carton (3XL and 4XL sizes: 15 pieces per carton)
- Manufactured in a facility holding ISO 9001:2008 certification
- 3 year shelf life from date of manufacture
- Each size carries a unique bar code on the carton (ITF-14) to allow automatic data entry into Stock Control Systems
- Lot number is shown on each individual bag and the carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



Size	Catalog No.	Qty/Pkg	Pkg
S	205-10191	20	343.65
M	205-10194	20	343.65
L	205-10197	20	343.65
XL	205-10200	20	369.10
2XL	205-10203	20	343.65
3XL	205-10206	15	343.65
4XL	205-10209	15	343.65

**BioClean-D\* Sterile Anti-Static Coveralls with Hood and Boots**

- Coveralls with hood and integrated boots made from anti-static CleanTough\* material
- Disposable garment featuring a front zip with protective flap
- Elasticized hood, back, cuffs, ankles, and thumb loops to ensure a secure hold
- Provides exceptional comfort and head-to-toe protection
- Bound seams with single needle stitching
- Classification: PPE Cat 3 Type 5 & 6
- Gamma irradiated to SAL 10<sup>-6</sup>
- One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 20 outer bags per lined carton
- IPA resistant ink ensures that bags can be wiped down with cleaning or sterilizing fluids without fear of cross-contamination from printing inks
- Manufactured in a facility holding the following registrations: ISO 9001:2008 & 89/686/EEC Article 11b
- 3 year shelf life from date of manufacture
- A unique bar code on the carton (ITF-14) allows automatic data entry into Stock Control Systems
- Lot number is shown on each individual bag and carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



Size	Catalog No.	Pkg of 20
S	205-10179	306.80
M	205-10227	306.80
L	205-10230	306.80
XL	205-10233	306.80
2XL	205-10182	321.55

**BioClean-D\* Sterile Coveralls with Hood and Thumb Loops**

- Single use disposable garment featuring a front zip with protective flap
- Elasticized hood, back, cuffs, ankles, and thumb loops to ensure a secure hold
- Provides exceptional comfort and protection
- Made from an anti-static CleanTough\* material
- Bound seams with single needle stitching
- Classification: PPE Cat 3 Type 5 & 6
- Gamma irradiated to SAL 10<sup>-6</sup>
- One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 20 outer bags per lined carton (3XL and 4XL sizes: 15 piece per carton)
- IPA resistant ink ensures that bags can be wiped down with cleaning or sterilizing fluids without fear of cross-contamination from printing inks
- Manufactured in a facility holding the following registrations: ISO 9001:2008 & 89/686/EEC Article 11b
- 3 year shelf life from date of manufacture
- A unique bar code on the carton (ITF-14) allows automatic data entry into Stock Control Systems
- Lot number is shown on each individual bag and carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



†Image shown with sterile boots (not included, Cat. No. 205-10176)

Size	Catalog No.	Qty/Pkg	Pkg
XS	205-10272	15	279.80
S	205-10170	20	279.80
M	205-10254	20	279.80
L	205-10257	20	279.80
XL	205-10260	20	279.80
2XL	205-10263	20	279.80
3XL	205-10266	15	279.80
4XL	205-10269	15	279.80

**BioClean-D\* Sterile Coveralls with Collar and Thumb Loops**

- Single use disposable garment featuring a front zip with protective flap
- Elasticized back, cuffs, ankles, and thumb loops to ensure a secure hold
- Provides exceptional comfort and protection
- Made from an anti-static CleanTough\* material
- Bound seams with single needle stitching
- Classification: PPE Cat 3 Type 5 & 6
- Gamma irradiated to SAL 10<sup>-6</sup>
- One piece per sealed inner PE bag; one inner bag per sealed outer PE bag; 20 outer bags per lined carton (3XL and 4XL sizes: 15 piece per carton)
- IPA resistant ink ensures that bags can be wiped down with cleaning or sterilizing fluids without fear of cross-contamination from printing inks
- Manufactured in a facility holding the following registrations: ISO 9001:2008 & 89/686/EEC Article 11b
- 3 year shelf life from date of manufacture
- A unique bar code on the carton (ITF-14) allows automatic data entry into Stock Control Systems
- Lot number is shown on each individual bag and carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



†Image shown with sterile boots (not included, Cat. No. 205-10176)

Size	Catalog No.	Qty/Pkg	Pkg
S	205-10167	20	267.55
M	205-10236	20	267.55
L	205-10239	20	267.55
XL	205-10242	20	267.55
2XL	205-10245	20	267.55
3XL	205-10248	15	267.55
4XL	205-10251	15	267.55

**DuPont\* Tyvek\* IsoClean\* Bound Seam, Clean and Sterile Coveralls**

- 5 mil. clean sterile coveralls with bound seams/neck and elastic wrists/ankles
- Made from flash spun polyolefin protective material that creates an inherent barrier to dry particles
- Resistant against microorganisms and non-hazardous light liquid splash
- Bound seams have multiple interlocking threads that are sewn around the raw edges of the garment material to create a strong, stress-resistant seam
- Raglan sleeve design with a front zipper closure that offers easy donning and doffing
- Elastic openings for tighter fit at wrist and ankle
- Gamma sterilized to SAL 10<sup>-6</sup> with full traceability
- Greater range of motion and comfort
- Lowest level of particle shedding
- Comfortable, lightweight, and durable
- Recyclable
- ASTM D1777, ASTM D3776, ASTM F2101, ASTM D5034



Size	Catalog No.	Case of 25
M	201-85732	690.80
L	201-85735	690.80
XL	201-85738	690.80
2XL	201-85741	698.10
3XL	201-85744	707.80
4XL	201-85747	722.45

**Kimberly-Clark\* KIMTECH PURE\* A5 Sterile Cleanroom Coveralls**

- Sterile cleanroom coveralls with Clean-Don\* technology that facilitates sterile gowning
- SMS (Spunbond Meltblown Spunbond) material delivers cloth-like comfort
- Built-in thumb loops keep garment sleeves from rolling back and exposing arms or wrists
- Highly visible blue line along the inside of the garment signals the proper place to grasp while gowning, which helps the wearer avoid touching the outside of the garment
- Built-in snaps gather up legs and arms to lower the risk of touching the floor, then automatically release as garment is put on
- Inside-out fold pattern presents the inside of the garment as the package is opened, reducing the risk of touching and contaminating the outside of the apparel
- For use in ISO 5-8 cleanroom environments



Size	Catalog No.	Case of 25
S	201-85947	358.20
M	201-85950	358.20
L	201-85953	358.20
XL	201-85956	358.20
2XL	201-85959	379.45
3XL	201-85962	402.35
4XL	201-85965	426.65
5XL	201-87528	428.65
6XL	201-87525	449.15

**ValuMax\* Liquid-Guard\* Sterile Microporous Coveralls with Attached Hood and Boots**

- Sterile to SAL 10<sup>-6</sup>
- Gamma radiation validated
- Attached hood and Duragrip\* ultra non-skid booties
- Elastic cuffs
- LiquidGuard\* material is impervious yet breathable
- Sewn and packaged in controlled cleanroom environment
- Wrinkle-free folding
- Anti-static treated
- Latex-free



Size	Catalog No.	Case of 25
S	201-86712	257.50
M	201-86715	257.50
L	201-86718	257.50
XL	201-86721	257.50
2XL	201-86724	275.25
3XL	201-86727	294.00
4XL	201-86730	312.75
5XL	201-86733	331.45

To Order – Call 800.772.8786

**ValuMax\* Liquid-Guard\* Sterile Microporous Coveralls**

- Sterile to SAL 10<sup>-6</sup>
- Gamma radiation validated
- LiquidGuard\* material is impervious yet breathable
- Sewn and packaged in controlled cleanroom environment
- Wrinkle-free folding
- Anti-static treated
- Elastic cuffs and ankles
- Latex-free



Size	Catalog No.	Case of 25
S	201-86736	234.05
M	201-86739	234.05
L	201-86742	234.05
XL	201-86745	234.05
2XL	201-86748	252.80
3XL	201-86751	271.55
4XL	201-86754	290.25
5XL	201-86757	309.00

**ValuMax\* Liquid-Guard\* Microporous Coveralls with Elastic Cuffs**

- LiquidGuard\* material is impervious yet breathable
- Sewn and packaged in controlled cleanroom environment
- Wrinkle-free folding
- Anti-static treated
- Elastic cuffs and ankles
- Latex-free
- Non-sterile



Size	Catalog No.	Case of 25
S	201-86931	107.25
M	201-86934	107.25
L	201-86937	107.25
XL	201-86940	107.25
2XL	201-86943	109.20
3XL	201-86946	115.35
4XL	201-86949	121.55
5XL	201-86952	127.70

**Pharma-Choice\* Coveralls with Hood and Boots**

- Polypropylene
- Attached hood and boots
- Elastic wrists
- White
- Non-sterile



Size	Catalog No.	Case of 25
S	205-10062	111.95
M	205-10065	111.95
L	205-10068	111.95
XL	205-10071	111.95
2XL	205-10074	111.95
3XL	205-10077	111.95
4XL	205-10080	111.95

**Pharma-Choice\* Coveralls**

- Polypropylene
- Elastic wrists and ankles
- White
- Non-sterile



Size	Catalog No.	Case of 25
S	205-10008	101.15
M	205-10023	101.15
L	205-10026	101.15
XL	205-10029	101.15
2XL	205-10032	101.15
3XL	205-10035	101.15
4XL	205-10038	101.15

**DECONTAMINATION**

Decontamination inactivates, neutralizes or physically removes hazardous chemical residue from non-disposable surfaces and transfers it to absorbent, disposable materials such as wipers, pads or towels. When choosing a product for decontaminating hazardous chemicals consider surface compatibilities and facility requirements. Always adhere to manufacturer's use instructions.

**Worklon\* LD-100 System Snap Front Closure Cleanroom Frock**

- Used where particulate control and bacteria filtration are required
- Donned in controlled environments up to and including Class 1000 (ISO 6)
- Front snap closures and set-in sleeves
- Adjustable snaps at wrist and collar
- Polyester taffeta
- Color-coded hang loop denotes size
- Gamma compatible and autoclavable



Size	Catalog No.	Each
<b>White</b>		
S	201-85363	48.20
M	201-85387	48.20
L	201-85390	48.20
XL	201-85393	48.20
2XL	201-85396	57.70
3XL	201-85399	65.90
4XL	201-85402	70.60
5XL	201-85405	92.30
<b>Blue</b>		
S	201-85360	63.05
M	201-85366	63.05
L	201-85369	63.05
XL	201-85372	63.05
2XL	201-85375	63.05
3XL	201-85378	68.60
4XL	201-85381	80.05
5XL	201-85384	78.75

**Contec\* CritiGear\* Cleanroom Compatible Frock**

- ISO Class 7 cleanroom compatible frocks
- Microporous fabric technology protects the sensitive cleanroom environment, yet is comfortable for the wearer
- Fabric is low shedding, low in particulate, and is anti-static to improve donning
- Excellent particulate barrier
- Liquid repellent
- Wicks body moisture away to provide better comfort
- Extra-long; knee-length
- Mandarin collar and the six snap front provides proper closure from the neck down
- The unique knit cuffs with thumb loops make donning sterile gloves easier and prevent exposed wrists and forearms



Size	Catalog No.	Case of 30
XS	121-86393	179.40
S	121-86396	179.40
M	121-86399	179.40
L	121-86402	179.40
XL	121-86405	179.40
2XL	121-86408	179.40
3XL	121-86411	186.90
4XL	121-86414	194.50
5XL	121-86417	183.55

**Epic\* Microporous Coated Cleanroom Frocks**

- Lint-free, film-coated disposable frocks for use in critical and low particulate cleanroom environments
- Suitable for exposure to bloodborne pathogens, non-hazardous liquids, and any wet general maintenance areas
- 100% virgin spunbond polypropylene substrate laminated to 100% virgin micro-porous polyethylene film
- Fabric contains an additive to provide anti-static properties
- Individually inspected for sizing, stitching, and workmanship
- No pockets
- Elastic wrists and mandarin snap collar
- Plastic front snap closure
- ISO 6 Class compatible / Category 2 Garment
- Sizing per ANSI/ISEA 101-1996 standards
- Material weight: 60 gm/m<sup>2</sup>
- 10 frocks per bag, 3 bags per case



Size	Catalog No.	Case of 30
M	201-86544	99.20
L	201-86547	99.20
XL	201-86550	99.20
2XL	201-86553	99.20
3XL	201-86556	99.20

**TrueCare\* Sterile Cleanroom Gowns**

- 40gsm±3gsm cleanroom gowns
- Anti-static-treated, white SMS fabric
- Stand-up collar with a Velcro closure in the back
- Elastic wrist cuffs
- Sterile gowns are individually packaged



Size	Catalog No.	Pkg of 50
S	551-83262	115.25
Reg.	551-83265	129.15
XL	551-83268	142.05

**Contec\* CritiGear\* Chemo Gowns with Thumb Loops**

- Designed to provide protection against exposure to a wide range of hazardous drugs
- BloxTech\* fabric technology is ASTM D6978-05 tested and provides wearer comfort as well as protection
- Generous sleeve length with knit cuffs and thumb loops to ensure secure cuff area and comfort
- Constructed with sealed seams that also feature highly visible blue tape to ensure the correct gown is used for the correct application
- The gown's wraparound design, with hook and latch closures on the back, helps to provide complete coverage
- The extra-long ties, coupled with multiple size combinations, ensure a comfortable and secure fit



Size	Catalog No.	Pkg of 10	Case of 30
S/M	121-86438	77.75	203.65
L/XL	121-86441	77.75	203.65
2XL/3XL	121-86444	82.70	216.55
4XL/5XL	121-86447	86.10	225.45
6XL/7XL	121-86450	90.25	236.35

**BioClean-D\* Sterile Hoods**

- Sterile single-use hood designed and constructed using three sections for a perfect fit
- Made from anti-static, durable, low-linting CleanTough\* material
- Elasticized face-opening with reinforced edges for exceptional comfort and protection
- Bound seams with single needle stitching
- PPE Cat 3 Type PB [6] classification
- Gamma irradiated to SAL 10<sup>-6</sup>
- One piece per sealed inner PE bag; 30 inner bags per sealed outer PE bag; six outer bags per lined carton
- IPA resistant ink ensures that bags can be wiped down with cleaning or sterilizing fluids without fear of cross-contamination from printing inks
- Manufactured in a facility holding the following registrations: ISO 9001:2008 & 89/686/EEC Article 11b
- 3 year shelf life from date of manufacture
- A unique bar code on the carton (ITF-14) allows automatic data entry into Stock Control Systems
- Lot number is shown on each individual bag and carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



Catalog No.	Pkg of 180
205-10173	294.55

**Kimberly-Clark\* KIMTECH  
PURE\* A5 Sterile Cleanroom  
Hoods**

- Sterile to SAL 10<sup>-6</sup>
- SMS (Spunbond Meltblown Spunbond) material
- Outer layer is cloth-like, yet tough and abrasion-resistant spunbond polypropylene
- Middle layers are an intricate web of microfibers that filter out many water-based liquids and dry particulates
- Easy to don and comfortable to wear
- Stretch fit elastic face opening
- Pull-down ties in back assist in the gowning process
- Integrated hood and mask combines 2 donning steps into 1 and eliminates exposure gaps (Cat. No. 201-87522)
- Recommended for ISO 5-8 cleanroom environments
- Universal size
- Latex-free
- White



†Hood only version should be worn with a sterile face mask (not included)

Description	Catalog No.	Qty/Case	Case
Hood Only†	201-85968	100	347.75
Hood with Integrated Mask	201-87522	75	360.00

**Worklon\* LD-100 System  
Easy-On Cleanroom  
Hoods and Attachable  
Face Mask**

- Polyester taffeta
- Adjustable snap closure
- The hood bib drapes across shoulders
- Two sets of vertical snaps for optional face mask attachment (Catalog No. 201-85351)
- Rear horizontal snap adjustment
- Color-coded hang loop denotes size
- Gamma compatible
- Autoclavable



Size	Catalog No.	Each
<b>White Hood</b>		
S	201-85345	39.35
M	201-85444	39.35
L	201-85447	39.35
XL	201-85450	39.35
2XL	201-85654	47.25
<b>Navy Hood</b>		
S	201-85606	41.40
M	201-85609	41.40
L	201-85612	41.40
XL	201-85615	41.40
2XL	201-85660	49.65
<b>Mask (White)</b>		
—	201-85351	24.75

**ValuMax\* Liquid-Guard\*  
Microporous Hoods**

- Small face open for greater protection
- Over the shoulder length
- LiquidGuard\* material is impervious yet breathable
- Low particle shedding, rated category 1 per Helmke Drum Test
- Sewn and packaged in controlled cleanroom environment
- Non-sterile
- White



Size	Catalog No.	Pkg of 10	Case of 100
S/M	201-86922	31.55	200.00
L/XL	201-86925	32.95	190.90
2XL	201-86928	34.35	200.00

**Worklon\* Unisex Microstat ESD Lab Coats**

- 65% polyester / 34% cotton / 1% carbon in a woven grid configuration
- Snap closure
- Lapel collar
- Patch pockets
- Set-in sleeves
- Adjustable snaps at wrists
- Color-coded hang loop denotes size
- Knee length (41 in.)
- Pocket access slits
- Blue



Size	Catalog No.	Each
XS	201-86106	68.75
S	201-86109	68.75
M	201-86112	68.75
L	201-86115	68.75
XL	201-86118	68.75
2XL	201-86121	82.50
3XL	201-86124	89.40
4XL	201-86127	96.25
5XL	201-86130	103.15

**TrueCare\* Impervious Lab Coats**

- ISO-Certified breathable, spunbound polypropylene fabric
- Impervious polyethylene exterior coating
- Lint-free
- Latex-free
- Collar, 2 pockets, knit cuffs, snap-button placket
- Meets OSHA technical guidelines for the safe handling of hazardous drugs
- Rigorously wear-tested for comfort and breathability



Size	Catalog No.	Pkg of 30
Reg.	551-83349	108.75
XL	551-83283	117.85

**ValuMax\* Extra-Safe\* Blue Lab Coats, Hip Length**

- Soft, protective 3-layer SMS fabric
- Fluid-resistant and breathable
- Latex-free
- Fire retardant
- Autoclavable and washable up to 5 times
- Meets OSHA requirements
- Anti-static treated
- 2 hip pockets and 1 breast pocket
- Snap front
- Knit cuffs and collar



Size	Catalog No.	Pkg of 10
S	201-86811	32.20
M	201-86814	32.20
L	201-86817	32.20
XL	201-86820	32.20
2XL	201-86823	33.50
3XL	201-86826	34.75
4XL	201-86829	36.05
5XL	201-86832	37.35

**ValuMax\* Extra-Safe\* Blue Lab Coats, Knee Length**

- Soft, protective 3-layer SMS fabric
- Fluid-resistant and breathable
- Latex-free
- Fire retardant
- Autoclavable and washable up to 5 times
- Meets OSHA requirements
- Anti-static treated
- 2 hip pockets and 1 breast pocket
- Snap front
- Knit cuffs and collar



Size	Catalog No.	Pkg of 10
S	201-86763	36.05
M	201-86766	36.05
L	201-86769	36.05
XL	201-86772	36.05
2XL	201-86775	37.35
3XL	201-86778	38.65
4XL	201-86781	39.90
5XL	201-86784	41.20

**Pharma-Choice\* Pharma-Coat\* Polypropylene Lab Coats**

- Cleanroom lab coats with elastic wrists
- Non-shedding, non-woven spunbond polypropylene
- No pockets
- White



Size	Catalog No.	Bag of 10	Case of 30
S	205-10083	39.50	98.65
M	205-10086	39.50	98.65
L	205-10089	39.50	98.65
XL	205-10092	39.50	98.65
2XL	205-10095	39.50	98.65
3XL	205-10098	39.50	98.65
4XL	205-10101	39.50	98.65

**Pharma-Choice\* Pharma-Coat Knit\* Disposable Polypropylene Lab Coats with Knit Wrists**

- Cleanroom lab coats with knit wrists and collar
- Non-shedding, non-woven spunbond polypropylene
- No pockets
- White



Size	Catalog No.	Bag of 10	Case of 30
S	205-10104	42.15	101.15
M	205-10107	42.15	101.15
L	205-10110	42.15	101.15
XL	205-10113	42.15	101.15
2XL	205-10116	42.15	101.15
3XL	205-10119	42.15	101.15
4XL	205-10122	42.15	101.15

**BioClean DB\* Sterile Pouch-style Face Mask with Neck Guard**

- Constructed with a non-latex spacer to maintain clear breathing space
- Ensures exceptional breathability, comfort, and protection for the wearer
- Integrated non-woven spunbond polyester, extra long neck guard provides additional protection
- Excellent particle protection
- Large breathing chamber
- Latex-free
- Ultrasonically sealed seams
- Inner facing layer: Non-woven spunbond polyester (hygroscopic)
- Filter layer: Meltblown polyester
- Outer facing layer: Non-woven spunbond polyester (hydrophobic)
- Tubular knitted polyurethane Spandex yarn headloops
- Plastic-coated steel nose band
- Particle filtration efficiency (PFE): 98.2%
- Bacteria filtration efficiency (BFE): 97.9%
- Differential pressure drop in mm H<sub>2</sub>O/cm<sup>2</sup>: 3.57
- Manufactured in a facility holding ISO 9001:2008 certification
- Processed in an NEBB certified ISO Class 4 cleanroom environment
- Sampling and inspection in accordance with ISO 2859-3:1991
- 5 year shelf life from date of manufacture
- Bar Code is shown on the carton to allow automatic data entry into Stock Control Systems
- Lot Number is shown on the sealed outer bag and carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



Facemask Width (mm)	Neck Guard Width (mm)	Catalog No.	Pkg of 200
100	210	205-10224	392.75

**DID YOU KNOW?**

Approximately 75% of all particles in a controlled environment like a cleanroom come from people in them. Particles can come in the form of dust, skin, makeup, perfume and bacteria, just to name a few.

**BioClean DB\* Sterile Pouch-style Face Mask**

- Constructed with a non-latex spacer to maintain clear breathing space
- Ensures exceptional breathability, comfort, and protection for the wearer
- Excellent particle protection
- Large breathing chamber
- Latex-free
- Ultrasonically sealed seams
- Inner facing layer: Non-woven spunbond polyester (hygroscopic)
- Filter layer: Meltblown polyester
- Outer facing layer: Non-woven spunbond polyester (hydrophobic)
- Tubular knitted polyurethane Spandex yarn headloops
- Plastic-coated steel nose band
- Particle filtration efficiency (PFE): 98.2%
- Bacteria filtration efficiency (BFE): 97.9%
- Differential pressure drop in mm H<sub>2</sub>O/cm<sup>2</sup> 3.57
- Manufactured in a facility holding ISO 9001:2008 certification
- Processed in an NEBB certified ISO Class 4 cleanroom environment
- Sampling and inspection in accordance with ISO 2859-3:1991
- 5 year shelf life from date of manufacture
- Bar Code is shown on the carton to allow automatic data entry into Stock Control Systems
- Lot Number is shown on the sealed outer bag and carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



Facemask Width (mm)	Catalog No.	Pkg of 200
100	205-10158	368.20

**Kimberly-Clark\* KIMTECH PURE\* M5 Pleated Procedure and Surgical Masks**

- Pleated design offers a bacterial filtration efficiency that is greater than 95%
- Procedure mask features earloops for easy donning and long lasting comfort
- Surgical mask features soft tie straps for maximum comfort
- Both styles offer a three-layer design with ultrasonically bonded polyester/cellulose exterior and a meltblown polypropylene filter media
- Double bagged
- Recommended for ISO Class 5 or higher cleanroom environments
- Blue



Description	Catalog No.	Bag of 50	Qty/Case	Case
Procedure Mask	501-41708	25.40	500	127.00
Surgical Mask	501-41705	28.05	300	87.70

**BCR\* 3-Layer Cleanroom Face Mask with Polyurethane Headbands**

- Extra-wide body (210 mm) reduces the amount of exposed skin
- Polypropylene filter medium provides superior filtration
- Outerfacing blue polypropylene color identifies outside of mask
- Non-shedding, polyurethane headbands reduce particulation
- Fully enclosed nosepiece; adjustable, vinyl covered steel reduces “blow by”
- Headband provides more secure facial seal
- Bulk packaged; **not** individually wrapped
- ISO Class 4 – 8
- Cleanroom Class 10 – 100,000
- EU Grade A/B/C/D



Catalog No.	Pkg of 50	Case of 600
518-29359	32.65	276.70

**Pharma-Choice\* Face Masks with Earloops**

- Face mask with elastic earloops
- Polypropylene
- 3-ply
- Blue



Catalog No.	Pkg of 50	Case of 500
205-10275	31.35	97.80

**Pharma-Choice\* Face Masks with Ties**

- Face mask with fabric ties
- Polypropylene
- 3-ply
- White



Catalog No.	Pkg of 50	Case of 500
205-10278	31.35	97.80

**Epic\* Cleanroom Face Masks**

- High filtration, three-layer fabric
- Latex-free elastic earloops (image shown) or fabric ties
- ISO Class 6 compatible
- Universal size
- Blue



Description	Catalog No.	Pkg of 50	Case of 500
Elastic Earloops	202-10008	18.95	59.10
Fabric Ties	202-10011	18.95	59.10

**ValuMax\* ArchAway\* Double Seal 3-in-1 Sensitive Masks**

- Plastic wire across middle of mask forms an arch to keep mask away from nose and mouth
- Super stretchable earloops eliminate pressure on ears
- High filtration: PFE 99.7% at 0.1 micron, BFE 99.5%
- Silky soft inner layer eliminates any irritation to skin
- Breathable Delta P < 2.2
- Highly fluid-resistant, 120 mm Hg
- Meets ASTM Level 2 Standard
- Manufactured in controlled cleanroom environment
- Low particle shedding, rated category 1 for Helmky Drum Testing
- Latex-free



Color	Catalog No.	Pkg of 50
Aqua	201-86979	32.75
Pink	201-86988	32.75
Plum	201-86985	32.75
Sky Blue	201-86919	32.75
White	201-86982	32.75

**ValuMax\* ArchAway\* Double Seal Earloop Masks with Splash Visor**

- True no-fog shield
- Significantly cooler than other masks
- No collapsing in the middle and no gapping at the cheeks
- Excellent seal and superb protection
- Hypoallergenic for sensitive skin
- Cellulose inner layer and soft earloops
- No dye or chemicals
- Latex-free, fiberglass free, odorless, fire retardant
- BFE 99.5% 2.7 micron, PFE 99.7 at 0.1 micron
- Fluid-resistant, meets ASTM Level 2 Standard, 120 mm HG



Color	Catalog No.	Pkg of 25
Sky Blue	201-87474	58.35
White	201-87477	58.35
Purple	201-87483	58.35

**Cone Masks with Shield**

- Cone masks with 7 mil. thick foamed shields
- Fluid-resistant
- One size fits all
- Made of 100% latex free, non-irritating materials
- Contains no fiberglass
- Comfortable rounded edges
- Single strap or earloops (image shown)
- Adjustable nosepiece ensures the mask remains securely in place



Description	Catalog No.	Pkg of 25	Case of 100
Single Headband	302-24480	63.70	242.00
Earloops	302-24483	63.70	242.00

**BioClean-D\* Sterile Overboots**

- Single use overboots offer exceptional comfort and protection
- Constructed from anti-static, low-linting CleanTough\* material
- Slip-resistant SafeStep\* sole and easy tie fastenings
- Bound seams with single needle stitching
- PPE Cat 3 Type PB [6] classification
- Gamma irradiated to SAL 10<sup>-6</sup>
- One pair per sealed inner PE bag; 15 inner bags per sealed outer PE bag; five outer bags per lined carton
- IPA resistant ink ensures that bags can be wiped down with cleaning or sterilizing fluids without fear of cross-contamination from printing inks
- Manufactured in a facility holding the following registrations: ISO 9001:2008 & 89/686/EEC Article 11b
- 3 year shelf life from date of manufacture
- A unique bar code on the carton (ITF-14) allows automatic data entry into Stock Control Systems
- Lot number is shown on each individual bag and carton to provide product traceability
- ISO Class 4 & EU GMP Grade A compatible



Catalog No.	75 Pairs
205-10176	270.00

**Kimberly-Clark\* KIMTECH PURE\* A5 Sterile Boot Covers**

- Sterile boot covers made of SMS fabric
- Outer layer is cloth-like, yet tough and abrasion-resistant spunbond polypropylene
- Middle layers are an intricate web of microfibers that filter out many water-based liquids and dry particulates
- Side grasp ties for a secure fit
- Vinyl edge to reduce slipping and liquid penetration



Size	Catalog No.	100 Pairs
S/M	201-87504	498.30
Universal	201-87507	508.60
XL/2XL	201-87510	525.85

To Order – Call 800.772.8786

**Epic\* Cleanroom Shoe Cover with PVC Sole, 18 in.**

- Latex-free / lint-free cleanroom shoe cover with calf length high-top
- Upper fabric is durable, clean, and impervious to liquids
- Chemical resistant
- Solid vinyl sole for added strength
- Internal seams for use in low particulate clean areas
- Elastic top and ankle
- Upper fabric is constructed from a blend of polyethylene and polypropylene into a unique breathable membrane
- The finished fabric also contains anti-static properties from a proprietary additive
- ISO Class: 5 / Helmke Drum Particle Challenge IEST-RP-CC003.3
- Universal size
- 18 in. high
- 15 in. long



Catalog No.	Case of 100
202-90166	90.15

**Epic\* Cleanroom Shoe Cover with PVC Sole, 7 in.**

- Latex-free / lint-free cleanroom shoe cover with ankle height top
- Upper fabric is durable, clean, and impervious to liquids
- Chemical resistant
- Solid vinyl sole for added strength
- Internal seams for use in low particulate clean areas
- Elastic top closure
- Upper fabric is constructed from a blend of polyethylene and polypropylene into a unique breathable membrane
- The finished fabric also contains anti-static properties from a proprietary additive
- ISO Class: 5 / Helmke Drum Particle Challenge IEST-RP-CC003.3
- Universal size
- 7 in. high
- 15 in. long



Catalog No.	Case of 100
202-90163	70.80

**ValuMax\* DuraGrip\* Impervious Shoe Covers**

- Shoe soles are made from leather-like DuraGrip\* PVC material that provides ultra skid resistance on dry and damp floors
- Top part is constructed from an impervious, lint-free material for excellent liquid and particulate barrier protection
- Elastic at ankle and top for added protection and greater fit
- Leaves no residue of shredding on floors
- Sewn and packaged in controlled class 100 cleanroom environment
- Anti-static treated



Size	Thread Color	Catalog No.	Case of 300
S/M	Black	201-86889	205.90
L/XL	White	201-86892	198.45
2XL	Green	201-86895	209.65

**Super Sticky\* Shoe Covers**

- Super sticky with non-skid bottom
- Contamination control
- Generous sizing
- Durable



Size	Color	Catalog No.	150 Pairs
L	White	205-10281	111.20
XL	Blue	205-10284	111.20

**Epic\* Cleanroom Shoe Covers with Clear Anti-Skid Bottom**

- Anti-skid sole provides greater traction and improved safety
- Trimmed in latex-free elastic bands for an adjustable snug fit
- Machine welded seams feature encapsulated elastic to reduce particulation and increase durability
- 100% virgin spunbond polypropylene
- Non-linting
- Cleanroom packaged
- Blue



Size	Catalog No.	50 Pairs	150 Pairs
S	202-90307	27.65	51.90
M	202-32607	27.65	51.90
L	202-32604	27.65	51.90
XL	202-90313	27.65	51.90
2XL	202-90310	28.25	52.70

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**Pharma-Choice\* Pharma-Shoe Covers\***

- Covers a standard dress shoe or sneaker
- Can be worn alone in critical environments
- Breathable and lightweight anti-skid sole
- Non-shedding, non-woven, spunbond polypropylene material
- Latex-free
- Blue



Size	Catalog No.	150 Pairs
L	205-10140	86.95
XL	205-10143	86.95

**Kimberly-Clark\* KIMTECH\* Sterile Sleeves**

- Provides the right level of protection for procedures with low to moderate fluid exposure
- Constructed from EVOLUTION\* 4 SMS fabric
- Blue
- Low lint
- 6 x 23 1/2 in.
- Sterile
- Double bagged
- Flame resistance: Meets NFPA Class I and ISO 11810
- Abrasion resistance: Meets ASTM D4966



Catalog No.	Case of 100
511-60761	270.15

**Epic\* 18 in. Film-Coated Cleanroom Sleeve Covers**

- Lint-free, film-coated sleeves
- For use in critical and low particulate clean environments
- Latex-free elastic trimmed ends, serged seam construction, and tapered for a proper fit
- Suitable for exposure to bloodborne pathogens, some hazardous liquids, and any wet general maintenance areas
- Made from a blend of polyethylene and polypropylene into a unique breathable membrane
- Also contains anti-static properties from a proprietary additive
- Individually inspected for sizing, stitching, and workmanship
- Neatly folded and cleanroom packed - 100 pieces per sealed inner polybag, 2 polybags per sealed master bag



Catalog No.	Case of 200
202-10137	65.95

**ValuMax\* Liquid-Guard\* Microporous Sleeve Covers**

- Tunneled sewing
- Length: 19 in.
- White



Catalog No.	Case of 200
201-86883	64.40

**Apparel and Supply Cart**

- This mobile wire cart is ideal for situations where the distribution and holding of apparel is required
- The horizontal bar accommodates hangers and the shelves are divided into separate visible compartments for keeping garments and supplies organized
- Chrome finish
- Four 5 in. swivel poly stem casters, two with brakes
- Four donut bumpers prevent accidental damage to doors and walls
- Dimensions (L x W x H): 60 x 24 x 69 in.
- Assembly required



**Cart is made up of:**

- Four 63 in. posts
- Two 54 in. posts
- Two 24 x 60 in. wire shelves
- Three 24 x 36 in. wire shelves
- Eight 24 in. dividers
- Two 61 in. rods and tabs kits
- One 24 in. hang bar

Catalog No.	Each
343-11738	630.75

**Corning\* Gosselin\* Autoclave Bags**

- 40 µm thick polypropylene bags
- The safe way to autoclave contaminated products
- Plain, no printing
- Thermal resistance to 273.2°F (134°C)
- Bulk packed



Capacity (L)	Height (mm)	Width (mm)	Catalog No.	Case of 500
3	400	255	948-10019	208.45
9	500	300	948-10022	238.35
14	600	400	948-10025	361.75
21	780	400	948-10028	643.65
33	780	600	948-10031	669.70

To Order – Call 800.772.8786

### Corning\* Gosselin\* PP Biohazard Autoclave Bags

- Used for contaminated waste disposal in autoclaves
- Can withstand autoclaving temperatures up to 134°C (273.2°F)
- Transparent, 40 µm thick polypropylene
- Printed with biohazard symbol
- 100 units/bundle; 500 units/box



Capacity (L)	Height (mm)	Length (mm)	Catalog No.	Box of 500
3	400	255	948-10049	230.30
9	500	300	948-10052	231.40
14	600	400	948-10055	351.15
21	780	400	948-10058	624.90
33	780	600	948-10061	650.15

### Corning\* Gosselin\* HDPE Biohazard Autoclave Bags

- 40 µm thick HDPE bags
- Printed with biohazard logo
- The safe way to autoclave contaminated products
- Thermal resistance to 249.8°F (121°C)
- 25 bags per roll



Capacity (L)	Height (mm)	Width (mm)	Catalog No.	Qty/Case	Case
14	600	400	638-10061	450	211.20
21	780	400	638-10064	400	307.90

### Scienceware\* Clavies Autoclave Safe Bag Clips

- These clips can be opened and closed with one hand
- They easily and securely close the gathered top of an autoclave bag after it has been filled
- Stiff plastic design holds the bag neck closed while allowing release of internal pressure that can develop during the autoclave cycle
- After autoclaving, the clip is left on the bag for final disposal
- Suitable for bags ranging in size from 12 x 24 in. to 19 x 23 in. (use with larger bags is not advised)
- Closed internal dimension: 7/16 in.



Catalog No.	Pkg of 100	Case of 1000
624-10236	25.35	198.75

### ValuMax\* Extra-Safe Self Sealing Sterilization Pouches

- Built-in internal and external steam and ETO indicators
- These pouches meet the latest CDC guidelines
- Made from medical grade paper with clear or blue tinted film
- Triple sealed and triple heat processed
- Extra strong seal prevents breaches by instruments
- Complete film and paper separation



Size (in.)	Catalog No.	Box of 200
<b>Blue Tinted Film</b>		
2.25 x 4	201-86991	27.15
2.25 x 8	201-86994	33.95
2.75 x 9	201-86997	33.95
3.5 x 5.25	201-87000	33.95
3.5 x 9	201-87003	22.65
5.25 x 10	201-87006	32.75
7.5 x 13	201-87009	33.35
<b>Clear Film</b>		
2.25 x 4	201-87012	27.15
2.25 x 8	201-87015	33.95
2.75 x 9	201-87018	33.95
3.5 x 5.25	201-87021	33.95
3.5 x 9	201-87024	33.95
5.25 x 10	201-87027	22.65
7.5 x 13	201-87030	33.35

### Propper Strate-Line Autoclave Steam Indicator Tape

- Made of strong, crepe-embossed paper with pressure-sensitive adhesive
- Ideal for securing different types of sterilization packs
- Designed for steam sterilization applications
- Distinguishes processed and unprocessed items
- Marking with permanent ink pen leaves no bleeding on the tape after sterilization
- 14 yard rolls



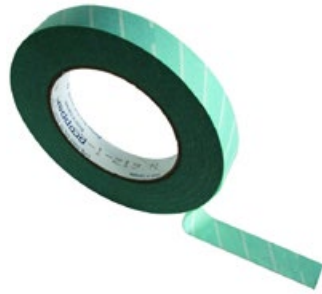
Width in. (mm)	Catalog No.	Pkg of 32
1/4 (12.7)	311-10257	133.60
3/4 (18)	311-10260	146.30
1 (24)	311-10263	162.20

## DID YOU KNOW?

One square inch of hand surface can contain 10,000 microorganisms.

**Propper Blue Autoclave Indicator Tape**

- This self-adhesive tape is designed to distinguish processed and unprocessed items
- Made of strong, crepe-embossed paper with pressure-sensitive adhesive
- Tape is ideal for securing different types of sterilization packs
- Marking with permanent ink pen leaves no bleeding on the tape after sterilization
- Developed specifically for the greater adhesion needed for disposable wraps
- During steam sterilization the white lines turn dark, demonstrating exposure to the sterilization process
- 60 yard rolls



Width in. (mm)	Catalog No.	Pkg of 4	Qty/Case	Case
3/4 (18)	151-22973	33.00	48	287.70
1 (24)	151-22976	—	36	287.10

**Propper Strate-Line Autoclave Indicator Tape**

- This self-adhesive tape is designed to distinguish processed and unprocessed items
- Made of strong crepe-embossed paper with latex-free pressure-sensitive adhesive
- Ideal for securing different types of sterilization packs
- Marking with permanent ink pen leaves no bleeding on the tape after sterilization
- Increased adhesive improves performance during and after sterilization
- Upgraded coating allows for even dispensing and increases ease of handling and application
- Enhanced exterior coating prevents ink transfer and improves chemical indicator appearance
- High contrast color change ink; white stripes turn dark during steam sterilization indicating that the pack has been processed
- Specifically formulated universal adhesive provides secure bonding with fabric and non-woven wraps, paper, metal, and glass
- Provides easy removal without traces of residue
- 60 yard rolls



Width in. (mm)	Catalog No.	Qty/Pkg	Pkg
1/2 (12.7)	151-22964	72	288.20
3/4 (18)	151-22967	48	248.25
1 (24)	151-22970	36	244.40

**STEAMPlus\* Type 5 Integrators**

- Used with steam sterilization cycles to provide a distinct pass or fail result, which allows for the release of all non-implant loads before the results of the spore test are received
- Effective sterilization is a key component of infection control protocol, and Type 5 integrators can help ensure the efficacy of the sterilization process
- Provides an immediate readout integrator for use in gravity, pre-vacuum, and flash cycles
- Does not replace the routine use of a biological indicator
- U.S. Food and Drug Administration cleared



Catalog No.	Case of 1000
311-10245	553.45

**ConForm\* Mail-in Biological Monitoring Service**

- Filter paper impregnated with nonpathogenic bacterial spores encased in a protective glassine envelope
- After processing, the spore test envelope is sent to a laboratory where the paper strip is aseptically transferred to a test tube containing sterile culture media and then incubated
- Compatibility with dry heat, chemical, EtO and steam sterilizers
- Test results in as little as 24 hours for steam, 72 hours for chemical, 7 days for dry heat and EtO (upon receipt of spore strips in laboratory)
- Immediate test failure notification by fax or email with a follow-up phone call the next day from a clinical consultant
- Sterilization results are faxed or emailed quarterly and annually
- Results online 24 hours a day on a secure, confidential web site
- Complimentary reminder service that provides either a fax or email alert notification of a missed test date
- Third party documentation of test results provides a tangible record when proof of testing must be provided
- Highly resistant dual-species bacterial spores provide the most reliable method of testing for an effective sterilization cycle
- U.S. Food and Drug Administration cleared



No. of Tests	Catalog No.	Box
6	550-81238	93.30
12	550-81241	165.15
48	550-81244	501.40

To Order – Call 800.772.8786

**Covidien\* Webcol\* Alcohol Preps**

- Sterile, non-woven sponges designed for moderate cleansing
- Saturated with 70% isopropyl alcohol
- Premium pad material provides maximum absorbency for scrubbing and cleansing
- 2-ply



Catalog No.	Pkg of 200	Case of 4000
550-80218	10.40	89.65

**Sterile 2-Ply Alcohol Prep Pads**

- The soft, absorbent, non-woven pads are saturated with 70% isopropyl alcohol
- Sterile pads are individually wrapped
- Product is not made with natural rubber latex



Size	Catalog No.	Qty/Case	Case
Medium	120-97438	3000	60.40
Large	120-97444	1000	43.75

**Contec\* PREempt\* RTU Disinfectant Solution**

- Works to ensure user protocol and product compliance with fast contact times and broad-spectrum efficacy
- Designed to have exceptional cleaning performance, germicidal efficacy, health & safety and environmental sustainability
- PREempt RTU utilizes AHP\*, a patented synergistic blend of commonly used ingredients that when combined with low levels of hydrogen peroxide, dramatically increase its germicidal potency and cleaning performance
- Ideal for cleaning and disinfecting environmental surfaces in cleanrooms and laboratory areas



**Kill Claims:**

- Virucidal: 1 minute
- Bactericidal: 1 minute
- Fungicidal: 10 minutes
- Tuberculocidal: 5 minutes
- Broad-spectrum non-food sanitizing: 30 seconds

Description	Catalog No.	Qty/Case	Case
1 gal. Bottle	121-86363	4	286.35
32 oz Bottle	121-86159	12	195.70
Trigger Sprayer for 32 oz Bottle	121-86366	12	62.50

**Clorox Healthcare\* Broad Spectrum Quaternary Disinfectant Cleaner**

- Kills most organisms in 2 minutes
- No pre-cleaning required for general disinfection†
- EPA-registered to kill 90 different pathogens
- EPA-registered to kill all of the representatives of the ESKAPE pathogens
- EPA-registered to kill other problematic pathogens, including MRSA, HIV, TB, VRE, Hepatitis B and C, and more
- Fragrance-free to help avoid harsh chemical fumes
- Formulated with powerful grease-cutting agents to clean the toughest messes on almost any surface
- Tested for use on most hospital-grade materials



†Pre-cleaning is required for disinfection against HIV, HBV, and HCV per OSHA guidelines, regardless of which disinfectant you use

Bottle Type	Size (fl oz)	Catalog No.	Qty/Case	Case
Spray	32	121-86129	9	113.40
Refill	128	121-86132	4	110.95

**Clorox Healthcare\* Fuzion\* Cleaner Disinfectant**

- Confidently kill *C. diff* on most surfaces
- Combines the proven power of bleach with excellent aesthetics for broad use
- pH-neutral formula won't cause damage to common surfaces; can be safely used on stainless steel, chrome, counter tops, sinks, glazed tiles — even clear plastics and glass
- Hypochlorous acid solution is a strong oxidizer and highly effective surface disinfectant
- Low residue; leaves surfaces looking clean, not cloudy
- Low odor; mild odor dissipates in minutes
- Easy-to-use; no PPE required
- Two-minute kill time on *C. difficile* spores
- One-minute kill time on viruses, bacteria (including TB) and fungi



Get the job done in less time with more complete coverage and less trigger fatigue. Fuzion\* uses a trigger technology that delivers:

- Even surface coverage for ease of use
- Twice as much area coverage with each spray†
- Less force needed to activate the trigger
- 60% larger average droplet size reduces misting†
- Clings to vertical surfaces with minimal dripping

†Compared with traditional swirl nozzle

Catalog No.	Case of 9
121-86150	193.25

**Texwipe\* TexQ\* Disinfectant**

- Gamma irradiated
- Effective against the most common bacteria, viruses, and fungi
- Excellent cleaning and disinfecting properties
- Uniform and complete disinfection of surfaces, all in one step
- 4 fungal kill claims including *Aspergillus niger*, the most common issue for clean areas
- Fragrance and dye free
- No respiratory irritation
- No additional contamination from vapors
- Convenient 22 oz spray for small areas or 1 gallon concentrated solution for large area disinfection
- EPA registered (10324-85) quaternary ammonium compound
- High quality of raw material ensures the high effectiveness and safety of the product
- Compliance with cGMP, FDA, ISO
- Manufactured in the USA
- 0.2 µm filtered



Bottle Type	Size	Catalog No.	Qty per Case	Case
Spray	22 oz	121-84497	12	185.05
Refill	1 gal.	121-84500	4	206.80

**Sterile Hypo-Chlor Solution**

- EPA registered hard surface disinfectant
- Effective one step, ready-to-use product that is available in premixed concentrations
- For use in cleanrooms and controlled areas
- Use on hard, non-porous, inanimate surfaces
- Each lot is delivered with lot specific documentation and is completely traceable
- Made with USP Water for Injection
- Filled in ISO 5 environment (Grade A/B, Former Class 100)
- Filtered at 0.2 microns
- Sterility tested and assayed
- Completely traceable from start to finish
- Completely validated for sterility and shelf life
- Packaged quadruple bagged in the ABCD Clean Room Introduction System\*
- Aseptically filled and packaged into sterile components
- Delivered with a lot specific Certificate of Analysis and Certificate of Sterility
- Ready-to-use; 16 oz bottles come with sterile spray attachment



Concentration	Catalog No.	Case of 12
0.52%	127-10105	454.35
5.25%	127-10108	454.35

**BruClean TbC\* Disinfectant Tablets**

- Each pre-measured tablet creates a disinfectant solution when added to 1 gallon of water
- Effective against a broad array of pathogens including MRSA, *E. coli*, and *Salmonella enterica*
- Active ingredient is sodium dichloroisocyanurate (NaDCC) and is more stable than bleach, has a neutral pH, and is biodegradable
- Convenient tablet form is easy-to-use
- Tablet is pre-scored for making smaller volumes
- 937 ppm available chlorine for 24 hours
- EPA registered
- Save on shipping and storage costs by purchasing lightweight, dry tables, instead of heavy, liquid bleach
- Consistent strength produced at point-of-use for cleaning and disinfecting hard surfaces
- Broad spectrum efficacy
- Can easily replace liquid bleach in all applications
- Bulk packed with 270 tablets per bottle (2 bottles per case)



Catalog No.	Case of 2
121-84503	783.55

**Pharma-Choice\* Sterile Pharma-D Surface Disinfectant**

- EPA registered quaternary ammonium
- Designed to remove surface contaminants and disinfect hard, non-porous surface areas
- Filled in ISO 5 environment (Grade A/B, Former Class 100)
- Filtered at 0.2 micron
- Gamma irradiated to a SAL 10<sup>-6</sup>
- Completely traceable from start to finish
- Completely validated for sterility and shelf life
- 16 oz RTU spray bottles



Catalog No.	Case of 12
125-10035	416.70

**DID YOU KNOW?**

Though you can't see it happening, every minute of the day we lose about 30,000 to 40,000 dead skin cells off the surface of our skin.

To Order – Call 800.772.8786

**Clorox Healthcare\* Bleach Germicidal Cleaner**

- Cleans and disinfects in one step
- Stabilized sodium hypochlorite and detergent solution that kills pathogens fast
- Premixed, ready to use and similar to the 1:10 bleach solution strength that is recommended by CDC guidelines for effective disinfecting
- Contains an anticorrosive ingredient that makes it less damaging to surfaces or equipment than conventionally prepared bleach solutions
- Convenient to use and remains stable for up to 18 months after original manufacture date
- For use on hard, non-porous surfaces
- May also be used for disinfecting pre-cleaned, non-critical instruments
- Kills norovirus in 1 minute
- Meets CDC, SHEA and APIC guideline recommendations for killing *C. difficile* spores (5 minutes)
- Meets OSHA bloodborne pathogen standards



Bottle Type	Size (fl oz)	Catalog No.	Qty/Case	Case
Spray	22	121-86135	8	125.55
Spray	32	121-86141	6	124.65
Pull-Top	32	121-86138	6	124.65
Refill	64	121-86144	6	153.95
Refill	128	121-86147	4	152.65

**Surface Safe\* 2 Step Applicator Kit**

- Cleans and inactivates many hazardous drugs
- Each box contains 15 double packets for convenience
- Each double packet treats approximately 2 square feet
- 2-step application; Apply the towelettes to the contaminated work surface in numerical order
- Packet #1 contains a towelette in a 2% (w/w) sodium hypochlorite soap solution
- Packet #2 contains a towelette in 1% (w/w) sodium thiosulfate with 0.9% (w/w) benzyl alcohol



Catalog No.	Box of 15	Case of 180
122-32088	74.95	744.80

**Pharma-Choice\* Pharma-Surface Guard\***

- Two-step process is designed to clean spills without causing oxidation on stainless steel surfaces
- Cleans and inactivates most hazardous drugs on work surfaces
- Made with ISO Class 5 cleanroom wipes
- Non-sterile
- Composition wipe 1: 100% polyester
- Composition wipe 2: 45% polyester / 55% cellulose
- Packet 1: 2% sodium hypochlorite (cleans up spills)
- Packet 2: 1% sodium thiosulfate & 0.9% benzyl alcohol (inactivates cleaning solution from 1<sup>st</sup> wipe)
- Wipe size: 6 x 9 in.
- 15 dual packets/box



Catalog No.	Pkg of 15
125-10080	64.25

**Texwipe\* Hydrogen Peroxide**

- Convenient, ready-to-use solution offers a low toxicity profile
- Requires no mixing or activation
- Solution does not leave a residue; may be used for disinfectant residue removal
- Safe and non-corrosive for most common surfaces
- Completely biodegradable; decomposes into water and oxygen
- Solutions are non-flammable and may be used in high flammability risk environments
- Solutions have no VOC and may be used to reduce VOC regulatory concerns and assist in compliance



Bottle Type	Size	Catalog No.	Qty/Case	Case
<b>4% Hydrogen Peroxide Solution</b>				
Spray	16 oz	121-84506	12	156.85
Refill	1 gal.	121-84509	4	125.95
<b>7.5% Hydrogen Peroxide Solution</b>				
Spray	16 oz	121-84512	12	159.50
Refill	1 gal.	121-84515	4	180.20

**DISINFECTION**

Disinfection is a process where many or all pathogenic microorganisms are removed or rendered non-viable. Disinfection has three different levels: high, intermediate, and low. High-level disinfection includes chemicals used for a shorter exposure time than normally required for sterilization. Intermediate-level disinfectants will kill most viruses, most fungi, mycobacteria and vegetative bacteria. These disinfectants will not kill all bacterial spores. Low-level disinfectants will kill the majority of vegetative bacteria, some fungi and some viruses. There are different levels of disinfection because the classes of microorganisms vary in resistance.

**Clorox Healthcare\*  
Hydrogen Peroxide Cleaner  
Disinfectant**

- Bactericidal, virucidal, and fungicidal disinfectant for use on hard, non-porous surfaces
- The formula has EPA registered efficacy against over 40 pathogens
- 30 second to 1 minute kill times on some of the most common bacteria and viruses
- Ready-to-use liquid
- Spray can also be used to sanitize soft surfaces
- Active ingredient: Hydrogen peroxide (1.4%)



Bottle Type	Size (fl oz)	Catalog No.	Qty/Case	Case
Spray	32	121-86120	9	89.05
Pull-Top	32	121-86123	6	59.35
Refill	128	121-86126	4	97.25

**CiDehol\* ST Sterile 99% IPA  
Solution**

- Sterile, ready-to-use
- Designed especially for sterile cleanroom use where a low-water product is indicated
- Filtered to 0.2 µm, individually double-bagged, and gamma-irradiated to ensure sterility and a clean environment
- Packaged in a Class 100 cleanroom
- Each lot undergoes a 14-day sterility test as well as a bacterial endotoxin test to ensure that the product meets or exceeds Water-for-Injection quality in endotoxin limits
- Each case is shipped with traceable lot specific documentation which details QC, irradiation, sterility, and bacterial endotoxin limits
- Available in both trigger spray bottles with heads attached and gallon size



Bottle Type	Size	Catalog No.	Qty/Case	Case
Spray	16 oz	121-84707	12	400.40
Refill	1 gal.	121-84710	4	482.30

**Pharma-Choice\* Pharma-  
Hol\* Sterile 70% IPA / 30%  
USP WFI Cleaner**

- Validated sterile by gamma irradiation
- Dose verified: AAMI method
- Available in 16 and 32 oz spray bottles and gallon containers
- 16 oz bottles come with spray head pre-attached
- Removes many surface contaminants and can be used for disinfecting gloved hands, vials, counter tops, glove boxes, and more



Bottle Type	Size	Catalog No.	Qty/Case	Case
Spray	16 oz	125-10017	9	186.00
Spray	32 oz	125-10020	12	397.00
Refill	1 gal.	125-10023	4	362.05

**Contec\* Sterile 70% Isopropanol**

- Contains 70% by volume USP grade isopropanol (IPA) and 30% USP grade purified water
- Filtered through a 0.2 micron in-line filter
- Each leakproof bottle is induction sealed, capped, and shipped with an uninstalled trigger sprayer to eliminate the occurrence of leakage
- Instructions for sterile installation of the trigger sprayer are available
- Bottles are double-bagged and gamma-irradiated
- Each bottle has a lot code and expiration date for easy record keeping
- Product expires 5 years after date of manufacture
- Certificate of processing and sterility with each case
- Validated per the Association for the Advancement of Medical Instrumentation (AAMI) 11137:2006 Guidelines to SAL 10<sup>-6</sup>†
- The trigger sprayer's stream setting is ideal for targeting specific hard to reach areas, while the mist setting is used to cover larger areas
- Evaporates and leaves extremely low residues
- Eliminates mixing, processing, and QC expense of in-house production of sterile isopropanol water blends



†Note: Sterility validation is performed after trigger is installed

Size	Catalog No.	Case of 12
16 oz	121-86156	190.55
32 oz	121-86351	316.35

**ITW Texwipe\* Sterile  
70% Isopropanol Alcohol**

- Sterile 70% USP isopropanol and 30% USP purified water, 0.2 µm filtered
- Gamma irradiated to SAL 10<sup>-6</sup>
- Fully assembled trigger sprayer delivers fine stream or coarse spray
- Eliminates mixing, filtration, and sterilization processing in-house
- Ideally suited for use with sterile wipes
- Lot traceable
- Double-bagged in solvent safe packaging
- Independent QC audits for sterility assurance



Size	Catalog No.	Qty/Pkg	Pkg
<b>Spray Bottle</b>			
8 oz	551-82866	12	199.75
16 oz	551-82818	12	215.75
32 oz	121-84521	12	232.90
<b>Refill Bottle</b>			
1 gal.	551-82824	4	344.10

To Order – Call 800.772.8786

**ISO-MED Sterile 70% IPA**

- Contains 70% by volume USP grade isopropanol and 30% USP purified water
- Solution is submicron filtered, filled into cleaned containers, double-bagged, and gamma-irradiated
- Each bottle is lot coded with an expiration date
- 16 oz trigger spray bottle



<b>Catalog No.</b>	<b>Case of 12</b>
127-10021	174.85

**Decon-Spore SimpleMix\* Sterile Sporicidal Spray**

- 27.5% hydrogen peroxide, 5.8% peroxyacetic acid
- Sterile; Gamma irradiated to 10<sup>6</sup>
- Used to help control spores and mold and maintain a clean, mold-free environment
- Broad-spectrum hard surface disinfectant is EPA registered effective against Influenza A viruses and is expected to inactivate all Influenza A viruses including Pandemic H1N1 when used as directed
- When used as a disinfectant, the dilution is EPA registered effective against *Staphylococcus aureus*, *Salmonella enterica*, *Salmonella enteritidis*, *Salmonella typhimurium*, *Proteus vulgaris*, *Streptococcus pyogenes* and *Histoplasma capsulatum* in hard water
- Removes dried soap film residue on hard non-porous surfaces in 10 minutes when used as directed
- Effective against Influenza B/Taiwan/2/62, Influenza A (H3N2) and Influenza A (H1N1) with a 10-minute contact time when used as directed as a virucidal
- SimpleMix two-part container holds the concentrate in a small chamber and high-quality sterile Water For Injection (WFI) in a larger chamber
- This system eliminates the risk of operator error when measuring the appropriate amount of concentrate and guarantees a fresh, full-strength solution every time
- SimpleMix solution has an expiration validation of 30 days after opening and mixing
- Single bagged and ready for introduction into the cleanroom
- Delivered with lot-specific Certificate of Analysis and Certificate of Sterility



<b>Size (fl oz)</b>	<b>Catalog No.</b>	<b>Each</b>
16	122-32082	49.20

**Contec\* PeridoxRTU\* Sterile Sporicidal Disinfectant and Cleaner**

- Broad spectrum EPA-registered sporicide, bactericide, virucide, tuberculocide, and fungicide
- One-step disinfectant and hard surface cleaner with a 3-minute Sporicide claim at 99.9999% efficacy
- Contains no alcohol or bleach and leaves minimal residue on surfaces
- Patented, hyperactive chemistry provides fast results
- Shorter kill times and powerful wetting agents: stays wet and works faster
- Will not cause damage to stainless steel or clothing, and is compatible with most surfaces found in the cleanroom environment
- Provides a simple one-step cleaning and disinfection process that does not require a pre-clean operation, saving both time and labor
- Sterile



Bottle Size	Catalog No.	Qty/Case	Case
32 oz	121-86357	6	535.50
1 gal.	121-86360	4	427.00

**Contec\* PeridoxRTU\* Sporicidal Disinfectant and Cleaner**

- Broad spectrum EPA-registered sporicide, bactericide, virucide, tuberculocide, and fungicide
- One-step disinfectant and hard surface cleaner with a 3-minute sporicide claim at 99.9999% efficacy
- Patented, hyperactive chemistry provides fast results
- Shorter kill times and powerful wetting agents: stays wet and works faster
- Assured efficacy against hard-to-kill spores and other dangerous pathogens
- Provides maximum effectiveness without the risks of bleach
- Leaves minimal residue on surfaces
- Will not cause damage to clothing, and is compatible with most surfaces, including stainless steel, acrylic, glass, aluminum and chrome
- Does not contain alcohol, bleach, quat or silver
- Use for daily cleaning and disinfecting tasks, such as wiping surfaces and mopping floors
- Non-sterile



Bottle Size	Catalog No.	Qty/Case	Case
32 oz	121-86153	6	299.65
1 gal.	121-86354	4	345.45

**CLEANING**

Cleaning is a process that results in removal of contaminants, such as soil, microbial contamination or chemical residue from objects and surfaces using water, detergents, surfactants, solvents and/or other chemicals.

**Contec\* Peridox\*  
Concentrate Sporicidal  
Disinfectant and Cleaner**

- Concentrate process eliminates and reduces the spread of *C.difficile*, as well as MRSA, and more than 40 other pathogens including ESKAPE pathogens - *Enterococcus faecalis* (VRE), *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, and *Enterobacter* species
- Effective against non-enveloped viruses (e.g., norovirus, rotavirus, adenovirus, poliovirus) and enveloped viruses and meets the CDC's Guidelines for Environmental Infection Control for Ebola Virus
- Contains no alcohol or bleach, requires no rinsing, and leaves no film on surfaces
- Provides maximum effectiveness without the risks of bleach giving larger facilities a cost effective approach to use a high-level sporicidal disinfectant every day, facility wide, to keep HAI rates in check
- A truly viable alternative to bleach-based products, Peridox alleviates issues such as surface and equipment damage, strong odor, and confusing dilutions
- Will not damage sensitive equipment and common cleanroom surfaces under normal, routine use
- Upon dilution using the Peridox Concentrate Wall Dispenser Unit (Cat. No. 121-86513) system, the exact amount of chemical is delivered each time and has the correct balance of polymers and surfactants to ensure thorough cleaning and sporicidal disinfection



Description	Catalog No.	Each	Qty/Case	Case
1 gal. Concentrate Bottle	121-86510	195.45	4	741.40
Empty Dilution Bottle	121-86516	—	12	72.90
Wall Dispenser Unit	121-86513	363.65	—	—

**STERI-WATER\* Sterile USP  
Water**

- Quality water designed for operations that require a USP grade water for chemical formulations, cleaning, and rinsing
- Not for human or animal injection, diagnostic, or therapeutic use



Bottle Type	Size	Catalog No.	Qty/Case	Case
Spray	16 oz	125-10095	12	532.75
Refill	1 gal.	125-10098	4	406.35

**Thermo Scientific Nalgene\*  
Polycarbonate Faceshield**

- Optically clear window made of 1/16 in. (1.5 mm) thick polycarbonate
- Can be worn over safety glasses
- Provides impact protection as well as protection from UV light in the 200 to 360 nm range
- Wraparound design offers both front and side protection while height provides coverage from the bottom of the neck to the top of the head
- Features a comfortable and adjustable polyethylene headpiece
- Dimensions (W x L): 7.8 x 11.6 in. (20 x 29.5 cm)



Catalog No.	Case of 4
967-16738	448.00

**Jackson Safety\* V90  
Monoshield\* Safety Goggles  
with Shield**

- Monogoggle\* 211 goggles integrated into a face shield to provide full eye and face protection from liquids without the hassle of primary eye protection underneath a face shield
- Clear, see-through material allows for easy worker identification
- Can be worn with most caps and disposable respirators
- Fits over most prescription eyeglasses
- Clear lens allows maximum visible light transmission
- Hardcoated lens for scratch resistance and longer life
- Polycarbonate lens provides 99.9% UVA/UVB/UVC protection
- Meets ANSI Z87.1+ standards for impact with a D3 rating for droplet and splash protection



Catalog No.	Box of 12
301-84062	445.95

**Jackson Safety\* V90 Shield\*  
Safety Goggles with Shield**

- Monogoggle\* XTR goggles integrated into a face shield to provide full eye and face protection from liquids without the hassle of primary eye protection underneath a face shield
- Curved face shield conforms to the shape of the face for added protection
- Shield detaches from the goggles for a 2-in-1 solution
- Fits over most prescription eyeglasses
- Clear lens allows maximum visible light transmission
- Anti-Fog coating to prevent fogging; ideal for humid environments and temperature variances
- Hardcoated lens for scratch resistance and longer life
- Polycarbonate lens provides 99.9% UVA/UVB/UVC protection
- Meets ANSI Z87.1+ standards for impact with a D3 rating for droplet and splash protection



Catalog No.	Box of 6
301-84065	150.00

**BioClean Clearview\* Sterile Goggles**

- Gamma irradiated single-use goggles
- Constructed from lightweight, ultra-soft PVC
- Latex-free, non-linting silicone headband
- Optically correct, toughened polycarbonate lens with anti-fog and anti-scratch coating
- Upper indirect ventilation system
- May be worn over eyeglasses
- Light orange frame and strap
- EN 166.20001 Optical Class 1 classification
- ISO Class 4 & EU GMP Grade A compatible
- Manufactured in a facility holding ISO 9001:2008 certification and packed in a NEBB certified ISO Class 4 (Class 10) cleanroom
- 3 year shelf life from date of manufacture
- A unique bar code on the carton (ITF-14) allows automatic data entry into Stock Control Systems



Catalog No.	Pkg of 60
205-10149	392.75

**BioClean Clearview\* Panoramic Autoclavable Goggles**

- Constructed in super-soft thermoplastic rubber to provide unrivaled comfort
- Provided non-sterile
- To be autoclaved at 121°C (250°F) for 30 minutes
- Indirect ventilation system
- Optically correct, extra wide field of vision
- Extra depth for wearing over large eyeglasses
- Toughened, anti-scratch polycarbonate lens
- Lightweight thermoplastic rubber frame
- Latex-free silicone headband
- Adjustable strap with polypropylene hook and eye clip for easier donning
- ISO Class 4 & EU GMP Grade A compliant
- Manufactured in a facility holding ISO 9001:2008 certification and packed in a NEBB Certified ISO Class 4 (Class 10) cleanroom
- 5 year shelf life from date of manufacture
- Bar code is shown on the carton (ITF-14) to allow automatic data entry into Stock Control Systems
- Lot number is shown on the inner box and carton to provide product traceability



Catalog No.	Pkg of 12
205-10155	605.15

**BioClean Clearview\* Autoclavable Cleanroom Goggles**

- Constructed in super-soft thermoplastic rubber to provide unrivaled comfort
- Upper vents and indirect lower vent
- Provided non-sterile
- To be autoclaved at 121°C (250°F) for 30 minutes
- Optically correct, toughened, anti-scratch polycarbonate lens
- Lightweight thermoplastic rubber frame
- Latex-free silicone headband with polypropylene hooks
- ISO Class 4 & EU GMP Grade A
- Manufactured in a facility holding ISO 9001:2008 certification and packed in a NEBB Certified ISO Class 4 (Class 10) cleanroom
- 5 year shelf life from date of manufacture
- Bar code is shown on the carton (ITF-14) to allow automatic data entry into Stock Control Systems
- Lot number is shown on the carton to provide product traceability



Catalog No.	Pkg of 12
205-10152	558.60

**Protective Wraparound Goggles**

- Durable plastic construction is splash resistant
- Universal fit
- Comfortably fits over most eyeglasses
- Ventilated design reduces chance of fogging
- Latex-free



Catalog No.	Case of 6
201-86625	35.25

**Jackson Safety\* V10 EXPO\* Safety Glasses**

- Wraparound protection with three-point extendable temples to provide a customized fit
- Clear lens allows maximum visible light transmission
- Polycarbonate lens provides 99.9% UVA/UVB/UVC protection
- Meets ANSI Z87.1+ standards for impact
- Base curve: 4



Catalog No.	Box of 12
301-84023	35.05

**Jackson Safety\* V10  
 Element\* Safety Glasses**

- Lightweight popular styling
- Universal nose bridge for comfort
- 100% polycarbonate (no rubber, metal, or other components)
- Dielectric, thermoplastic construction
- Base curve: 9.5



Catalog No.	Box of 12
301-84026	26.70

**Jackson Safety\* V30  
 Nemesis\* CSA Safety Glasses**

- Sporty, flexible, and lightweight design that is certified to meet the requirements of CSA Z94.3
- Patented FLEX-DRY\* nosepiece design with integrated ridges to divert sweat
- Every pair includes a neck cord for reduced risk of damage when not being worn
- Clear lenses allow maximum visible light transmission
- Anti-Fog coating (Cat. No. 301-84038 only) is ideal for humid environments and temperature variances
- Hardcoated lenses for scratch resistance and longer life
- Polycarbonate lenses provide 99.9% UVA/UVB/UVC protection
- Meets ANSI Z87.1+ standards for impact
- Base curve: 8



Lens	Catalog No.	Box of 12
Clear	301-84035	85.50
Clear, Anti-Fog	301-84038	102.75

**Jackson Safety\* V40  
 Hellraiser\* Safety Glasses**

- Sunglasses styling with a compact, lightweight design for comfort as stand-alone PPE and when used with other PPE like face shields and welding hoods
- Flex-point temples for comfort and stability
- Clear lenses allow maximum visible light transmission
- Anti-Fog coating (Cat. No. 301-84044 only) is ideal for humid environments and temperature variances
- Hardcoated lenses for scratch resistance and longer life
- Polycarbonate lenses provide 99.9% UVA/UVB/UVC protection
- Meets ANSI Z87.1+ standards for impact
- Base curve: 8



Lens	Catalog No.	Box of 12
Clear	301-84041	85.00
Clear, Anti-Fog	301-84044	91.75

**Jackson Safety\* V60 30-06  
 Rx Safety Glasses**

- Stylish, nylon framed eyewear with integrated diopters for vision assistance
- Soft, self-adjusting rubber nose pad for comfort
- Clear lenses allow maximum visible light transmission
- Hardcoated lenses for scratch resistance and longer life
- Polycarbonate lenses provide 99.9% UVA/UVB/UVC protection
- Meets ANSI Z87.1+ standards for impact
- Base curve: 7



Diopter	Catalog No.	Box of 6
1	301-84047	87.00
1.5	301-84050	87.00
2	301-84053	87.00
2.5	301-84056	87.00
3	301-84059	87.00

**Berkshire\* BCR\* Half-Finger Polyester Glove Liners**

- Comfortable, long-term use cleanroom liners
- Excellent for double-gloving comfort and dexterity
- Half-fingered design covers palm and parts of fingers to permit tactile use while wicking moisture from palms
- Wearing glove liners can reduce sensitivity associated with long term wearing of latex, vinyl, and nitrile gloves
- 100% continuous filament knitted polyester that offers a thinner yet durable barrier for the wearer
- Medium-weight
- Soft and comfortable to wear for long periods
- Liners can be re-laundered and used again
- Ambidextrous, glove size colored cuffed for easy stock control
- Seamless construction



Size	Cuff Color	Catalog No.	10 Pairs	200 Pairs
Regular	White	108-60389	33.30	302.65
Large	Blue	108-60386	33.40	303.55

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 PRODUCT OFFERING**

Can't find what you are looking for in this catalog? To view our entire product offering, go to [SpectrumChemical.com](http://SpectrumChemical.com) and use our site search function or search by product category.

**Berkshire\* BCR\* Full-Finger Polyester Glove Liners**

- 100% continuous filament knitted polyester glove liner that offers a thinner yet durable barrier for the wearer
- Excellent for double-gloving comfort and dexterity
- Special fiber construction enables moisture wicking during extended wear
- The full-finger design enables total protection for the most sensitive glove users
- Wearing glove liners can reduce sensitivity associated with long term wearing of latex, vinyl, and nitrile gloves
- Medium-weight
- Soft and comfortable to wear for long periods
- Liners can be re-laundered and used again
- Ambidextrous, glove size colored cuffed for easy stock control
- Seamless construction



Size	Cuff Color	Catalog No.	10 Pairs	200 Pairs
Regular	White	108-60392	36.75	334.00
Large	Blue	108-60395	36.85	335.05

**Berkshire\* BCR\* Half-Finger Single Knit Nylon Glove Liners**

- Made of high-quality, 100% continuous filament, pre-shrunk nylon
- Excellent for double-gloving comfort and dexterity
- Lightweight, soft, and comfortable to wear
- Half-fingered design covers palm and parts of fingers to permit tactile use while wicking moisture from palms
- Single-knit nylon is a thinner and more comfortable glove liner
- Nylon glove liners are heavier and more durable and can withstand more laundry washes
- Reusable, ambidextrous, seamless construction



Size	Cuff Color	Catalog No.	200 Pairs
S	Red	108-60371	248.10
L	Black	108-60368	248.15

**Berkshire\* BCR\* Full-Finger Single Knit Nylon Glove Liners**

- Made of high-quality, 100% continuous filament, pre-shrunk nylon
- Lightweight, soft, and comfortable to wear
- Full-finger design enables total protection for even the most sensitive glove users
- Single-knit nylon is a thinner and more comfortable glove liner
- Nylon glove liners are heavier and more durable and can withstand more laundry washes
- Reusable, ambidextrous, seamless construction
- Can be used alone as inspection gloves to prevent fingerprints on glassware, lenses, optics, and other critical surfaces
- Excellent for double-gloving comfort and dexterity



Size	Cuff Color	Catalog No.	200 Pairs
S	Green	108-60380	303.30
M	Orange	108-60377	305.15
L	Blue	108-60374	306.10
XL	Red	108-60383	306.10

**Microflex\* CE4 12 inch Sterile Latex Gloves**

- Hand-specific pairs
- Provides superb aesthetics, dexterity, tactile sense, fit, feel, and comfort
- Manufactured in ISO 9001 certified facility
- Compliant with AAMI sterilization guidelines and ASTM standards
- Gamma sterilized; certified sterile at a minimum dosage of 25 Kgy
- Smooth finish
- Powder-free and silicone-free
- Packaged to allow aseptic donning
- Color: Natural
- Length: 11 in.
- Finger thickness: 7.9 mil.
- Palm thickness: 5.9 mil.
- Cuff thickness: 5.1 mil.
- Lot specific Certificates of Analysis and Certificates of Sterility available upon request



Size	Catalog No.	200 Pairs
6	108-10164	301.35
6.5	108-10167	301.35
7	108-10170	301.35
7.5	108-10173	301.35
8	108-10176	301.35
8.5	108-10179	301.35
9	108-10182	301.35

**STERILITY**

Sterilization is the elimination of all viable life forms and spores. Sterility is absolute. It is not possible for something to be “semi-sterile.” Sterility may be achieved by a number of different methods. The method is dependent on what is being sterilized. Dry heat, steam heat with pressure, disinfectants and filtration are methods commonly used to achieve sterility.

**Contec\* CritiGear\* Sterile Nitrile Cleanroom Gloves**

- Designed for use in sterile environments
- Clean processing and packaging during manufacturing
- Acceptable for ISO Class 5 applications
- Does not introduce harmful contaminants to products or processes
- These durable gloves have an extra-long, 12 in. cuff to provide additional protection and coverage
- Individually pair packed in cleanroom packaging to ensure cleanliness and cleanroom compatibility
- Textured grip



Size	Catalog No.	200 pairs
XS	121-86420	350.90
S	121-86423	350.90
M	121-86426	350.90
L	121-86429	350.90
XL	121-86432	350.90
2XL	121-86435	350.90

**Kimberly-Clark\* KIMTECH PURE\* G3 Sterile Powder-Free Nitrile Gloves**

- Hand-specific pairs
- Latex-free
- Low endotoxin
- Packaged for aseptic donning
- Textured palm and fingertips
- Beaded cuff
- Length: 12 in.
- Finger thickness: 8.66 mil.
- Palm thickness: 7.87 mil.
- Cuff thickness: 5.51 mil.
- Packaged in a Class 100 cleanroom
- Recommended for ISO Class 4 or higher cleanroom environments
- Certificates of Analysis & Certificates of Irradiation available upon request



Size	Catalog No.	200 Pairs
6	101-67271	309.95
6.5	101-67274	309.95
7	101-67277	309.95
7.5	101-67280	309.95
8	101-67283	309.95
8.5	101-67286	309.95
9	101-67289	309.95
10	101-67268	309.95

**Kimberly-Clark\* Sterile PURPLE NITRILE\* Powder-Free Exam Gloves**

- Offers superior strength, durability, and chemical resistance
- Textured fingertips provide ideal grip for dry and wet applications
- Beaded cuff for easier donning and additional strength
- Tapes and labels will not stick to or tear these ambidextrous gloves
- Sterilized in accordance with AAMI guidelines to SAL 10<sup>-6</sup>
- Manufactured in accordance with Quality System ISO 9002
- Length: 9.5 in.
- Thickness: 5 mil.
- Sterile pair packed
- 50 pairs/dispenser; 4 dispensers/case



Size	Catalog No.	200 Pairs
S	101-84424	199.90
M	101-84427	199.90
L	101-84430	199.90

**TechNiGlove\* RiVAL Accelerator Free Nitrile Exam Gloves**

- Accelerator free and low extractables
- Soft modulus nitrile delivers the fit and feel of latex for the ultimate stretch and comfort
- Microtextured fingertips provide excellent grip on all surfaces
- 100% nitrile, contains no natural rubber
- Puncture resistant
- Beaded cuff
- Ambidextrous
- Powder-free
- Length: 9.5 in.
- Thickness: 4 mil.



Size	Catalog No.	Qty/Box	Box	Qty/Case	Case
XS	103-20564	200	35.00	2000	174.95
S	103-20567	200	35.00	2000	174.95
M	103-20570	200	35.00	2000	174.95
L	103-20573	200	35.00	2000	174.95
XL	103-20576	200	35.00	2000	174.95
2XL	103-20579	180	35.00	1800	174.95

**TechNiGlove\* 12 in. ESD Safe Nitrile Gloves for Controlled Environments**

- Class 100 nitrile gloves
- Microtextured fingertips provide excellent grip on all surfaces
- Contains no natural rubber or silicone
- Meets stringent requirements for particles and extractables
- The proprietary ESD formulation has a greater capacity to dissipate a static charge with a surface resistivity of 10-08 ohm/square per ESD-S11.11
- Beaded cuff
- Ambidextrous
- Powder-free
- Length: 12 in.
- Thickness: 5 mil.



Size	Catalog No.	Box of 100	Case of 1000
XS	103-20456	30.50	221.45
S	103-20459	30.50	221.45
M	103-20462	30.50	221.45
L	103-20465	30.50	221.45
XL	103-20468	30.50	221.45
2XL	103-20471	30.50	221.45

**SW Safety Stellar\* X5 Nitrile Exam Gloves**

- Excellent chemical and biological barrier protection
- Ultra-clean TouchTek\* technology prevents skin irritation and contamination
- MilTek\* polymer technology delivers more uniform thickness providing unmatched tactile sensitivity at the fingers, as well as high durability at the palm and cuff
- Superior abrasion and puncture resistance
- Fully textured surface delivers excellent grip
- Beaded cuff allows easy donning and removal
- Ambidextrous
- Latex-free
- Powder-free
- Length: 9.5 in.
- Finger thickness: 5.1 mil.
- Palm thickness: 4.3 mil.
- Cuff thickness: 3.4 mil.



Size	Catalog No.	Box of 100	Case of 1000
XS	107-10685	26.10	130.60
S	107-10187	26.10	130.60
M	107-10190	26.10	130.60
L	107-10193	26.10	130.60
XL	107-10196	26.10	130.60
2XL	107-10199	26.10	130.60

**SW Safety Supercede\* X4 Nitrile Exam Gloves**

- Provides excellent chemical and biological barrier protection
- Superior abrasion and puncture resistance
- Fully textured surface delivers excellent grip
- Beaded cuff allows easy donning and removal
- Tested for use with hazardous drugs
- Ambidextrous
- Latex-free
- Powder-free
- Length: 9.5 in.
- Finger thickness: 4.3 mil.
- Palm thickness: 3.2 mil.
- Cuff thickness: 2.7 mil.



Size	Catalog No.	Qty/Box	Box	Qty/Case	Case
S	107-10220	100	34.95	1000	109.30
M	107-10223	100	34.95	1000	109.30
L	107-10226	100	34.95	1000	109.30
XL	107-10229	100	34.95	1000	109.30
2XL	107-10232	90	34.95	900	109.30

**Kimberly-Clark\* KIMTECH PURE\* G5 Powder-Free Co-Polymer Cleanroom Gloves**

- Packaged in a Class 100 cleanroom
- Double-bagged with case liner
- Powder-free manufacturing process with proprietary inner coating
- Smooth finish
- Static dissipative in use
- Ambidextrous
- Beaded cuff
- Length: 12 in.
- AQL level of 2.5 for pinholes
- Recommended for ISO Class 5 or higher cleanroom environments
- Certificate of Analysis



Size	Catalog No.	Bag of 100	Case of 1000
S	101-40976	37.10	185.55
M	101-40979	37.10	185.55
L	101-40982	37.10	185.55
XL	101-40985	37.10	185.55

**BUBBLE POINT**

Filter units used to sterilize solutions must be subjected to the manufacturers' recommended integrity test, such as a bubble point test. Air is applied using a syringe, compressor or compressed air container to the filter unit, with the bubble point gauge attached and an outlet tube immersed in a beaker of water. The filter passes the integrity test if there is no stream of bubbles before the pressure gauge reaches the target pressure. A stream of bubbles before the gauge reaches the target pressure indicates the filter has failed the integrity test.

To Order – Call 800.772.8786

**TouchNuff\* DermaShield\* Sterile Neoprene Gloves**

- Powder-free neoprene formulation
- Free of latex proteins and accelerators that can cause skin irritation and Type 1 or Type IV allergic reactions
- Sterile glove suitable for use in aseptic and Class 100 (ISO 5) / Grade A cleanroom environments
- Straight cuff style; SureFit Technology\* helps prevent cuff roll down
- Excellent puncture resistance and durability
- Superior chemical splash protection
- Hand specific
- Exam grade
- Soft and flexible for a comfortable fit
- Allows for easy double donning
- Textured fingers
- Gamma irradiated to SAL 10<sup>-6</sup>
- 1 pair per poly wallet, sealed in a poly envelope; 10 pairs per outer polybag; 5 sealed outer polybags per master polybag; 4 sealed master polybags per lined case; 200 pairs per case
- All packaging is printed with cleanroom compatible IPA-resistant ink
- The polybags have an easy-tear opening
- The gloves are triple-bagged for superior contamination control
- Length: 12.2 in.
- Cuff thickness: 5.3 mil.
- Finger thickness: 7.3 mil.



Size	Catalog No.	200 Pairs
6	106-27151	389.10
6.5	106-27154	389.10
7	106-27157	389.10
7.5	106-27160	389.10
8	106-27163	389.10
8.5	106-27166	389.10
9	106-27169	389.10

**Heathrow Scientific\* Antimicrobial Modular Glove Box Holder**

- MICROBAN\* additive prevents growth of molds and bacteria
- Ideal for use in cleanrooms, hospitals, and microbiological work areas
- High impact, durable resin is resistant to harsh cleaning solutions
- Modular design allows for horizontal stacking
- Universal fit for most major brands of glove boxes
- Mounting screws included
- Dimensions (L x W x H): 10 x 6.14 x 3.81 in.
- Blue



Catalog No.	Pkg of 3
960-84283	139.55

**Contec\* Sporidicin Antimicrobial Soap**

- Ideal for use in ISO Class 6 and 7 Buffer Zones and ISO Class 8 Anterooms
- Kills up to 99.9% of gram positive and gram negative pathogenic and odor-causing organisms
- Alcohol-free; can be used daily for hand washing prior to donning gloves or beginning work in isolators



Bottle Type	Size	Catalog No.	Each	Qty/Case	Case
Pump	16 oz	121-86387	27.50	24	300.00
Refill	1 gal.	121-86390	—	2	112.00

**Safetec\* SaniWash\* Antimicrobial Soap with PCMX**

- Contains 0.6% PCMX for antimicrobial action
- Aloe vera adds moisture with each use
- Effective against germs
- Cleans dirty hands
- Colorless formula
- Gentle on skin
- Mild pleasant fragrance
- Available in convenient pump, foaming pump, or refill bottle
- Aids in reducing the risk of cross contamination
- Meets APIC, CDC, and OSHA standards for handwashing



Bottle Type	Size	Catalog No.	Qty/Case	Case
Pump	16 oz	122-28313	12	97.50
Foaming Pump	18.6 oz	122-32067	12	103.45
Refill	1 gal.	122-28316	4	136.00

**Avagard\* Nail Cleaners**

- Designed to clean under nails
- Easy-to-use
- 1% chlorhexidine gluconate solution and 61% ethyl alcohol
- 150 cleaners/box; 6 boxes/case = 900 cleaners/case



Catalog No.	Pkg of 150	Case of 900
121-86081	26.05	125.05

**Avagard\* D Instant Hand Antiseptic**

- Combines alcohol for rapid kill, chlorhexidine gluconate for persistence, plus emollients for skin conditioning
- FDA NDA approved brushless, waterless, instant hand antiseptic
- 500 mL wedge bottle
- Hands free wall dispenser sold separately



Description	Catalog No.	Qty/Case	Case
Bottle	121-86078	8	730.85
Dispenser	121-86075	4	882.15

**PURELL\* Advanced Instant Hand Sanitizer, 8 fl oz Pump Bottle**

- Instant, 70% ethyl alcohol-based hand sanitizer
- Kills more than 99.99% of most common germs while being very kind to the skin
- Works in as little as 15 seconds, with no water or towels needed
- Enhanced with four different skin conditioning agents that help maintain skin health, skin moisture, and improves overall skin feel



Catalog No.	Each	Case of 12
121-53537	28.85	89.15

**BD\* E-Z Scrub\* Preoperative Surgical Scrub Brushes**

- Includes popular and efficacious antimicrobial formulations including CHG (chlorhexidine gluconate), PCMX (chloroxylenol), and povidone iodine
- Proprietary polyethylene soft bristles enhance mechanical action while reducing skin irritation
- Soft sponge provides gentle cleaning on irritated areas or when firm mechanical action is not required
- Ergonomic brush design allows greater user comfort and effectiveness, ultimately improving compliance



Solution	Color Coded	Catalog No.	Pkg of 30	Case of 300
Dry Sterile	Green	553-10087	39.55	341.20
0.5% Povidone Iodine	Brown	553-10084	49.45	419.50
1% Povidone Iodine	Brown	553-10081	41.00	338.30
3% PCMX	Blue	553-10078	48.75	473.60
4% CHG	Red	553-10072	72.65	598.90

**Chlorhexidine Gluconate Surgical Scrub Brushes**

- 4% chlorhexidine gluconate solution surgical scrub brushes
- One package contains 1 brush-sponge, 1 nail cleaner, and antimicrobial soap (approx. 25 mL)
- 30 brushes/box



Catalog No.	Box of 30
125-10101	145.30

**Contec\* Tacky Mats**

- Contamination control floor mats for heavy traffic areas
- Non-transferring adhesive sheets remove debris from soles of shoes and wheels of equipment
- When the top layer of the mat is completely dirty, it is peeled away to expose a fresh, clean layer of adhesive film
- Corner tabs are conveniently numbered for accurate layer removal
- Each mat contains 30 layers



Size (in.)	Catalog No.	Case of 4
18 x 36	121-86456	138.00
24 x 36	121-86453	150.00

**Pharma-Mat\* Tacky Mats**

- First line of defense against contamination
- Can remove up to 99% of foot borne contaminants that enters a controlled environment by way of shoes, carts, and other sources
- Film: Low Density Polyethylene (LDPE)
- Film thickness: 1.8 mil. (50 micron)
- Adhesive: Acrylic
- Heat resistance: 158°F for 48 hours
- Frames available separately (see Pharma-Frame\*)



Size (in.)	Catalog No.	Case of 4
<b>White, 30-layer Mats</b>		
18 x 36	515-10020	117.50
24 x 36	515-10032	130.90
36 x 36	515-10047	176.15
<b>Blue, 30-layer Mats</b>		
18 x 36	515-10023	117.50
24 x 36	515-10035	130.90
36 x 36	515-10050	176.15
<b>White, 60-layer Mats</b>		
18 x 36	515-10026	182.30
24 x 36	515-10038	230.50
36 x 36	515-10053	303.40
<b>Blue, 60-layer Mats</b>		
18 x 36	515-10029	182.30
24 x 36	515-10041	230.50
36 x 36	515-10056	303.40
<b>White, 60-layer Mats, High Tack</b>		
25 x 45	515-10044	269.65

To Order – Call 800.772.8786

### Pharma-Frame\* Tacky Mat Frame

- This non-skid Pharma-Frame\* is designed to hold Pharma-Tack Mats\* (sold separately)
- Frame size: 20 x 38 in. or 26 x 38 in.
- White



Size (in.)	Catalog No.	Each
20 x 38	515-10014	145.95
26 x 38	515-10017	204.55

### Pharma-Choice\* Tacky Rollers

- Tacky Roller Refill sheets do not come with handle (must be ordered separately, Cat. No. 515-10071)
- For extension handle please see Cat. No. 515-10074



Width (in.)	Sheets/Roll	Catalog No.	Each	Case of 4
<b>Refill</b>				
12	60	515-10065	—	192.75
18	60	515-10068	—	216.95
18	107	515-10062	—	310.85
<b>Handle</b>				
8	—	515-10071	111.40	—

### Pharma-Choice\* Telescopic Extension Tacky Roller Handle

- This telescopic extension handle is for use with the Tacky Roller Handle (sold separately, Cat. No. 515-10071)
- Handle extends from 3 ft. to 6 ft. long



Catalog No.	Each
515-10074	55.90

**PYREX\* Griffin Beakers**

- Beakers with spout
- Manufactured with uniform wall thickness
- Optimum thermal shock resistance and mechanical strength
- 250 through 4000 mL beakers have a double graduated metric scale
- All sizes have an extra large marking spot
- Heavy-duty Griffin beakers are specifically designed to offer the best mechanical strength under harsh conditions
- Meets ASTM E960 specifications



Capacity (mL)	Graduation Range (mL)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
<b>Low Form Griffin Beakers</b>						
10	—	988-10000	12	65.20	48	245.60
20	5 to 15	988-10015	12	67.35	48	211.55
30	5 to 25	988-10024	12	66.75	48	209.35
50	10 to 40	988-10036	12	66.75	48	209.35
100	20 to 80	988-10003	12	58.75	48	221.55
150	20 to 140	988-10006	12	64.00	48	200.95
250	25 to 200	988-10018	12	67.55	48	212.25
400	25 to 325	988-10030	12	66.15	48	249.40
600	50 to 500	988-10039	6	50.40	36	237.40
800	50 to 750	988-10042	6	58.05	24	218.65
1000	50 to 1000	988-10009	6	79.15	24	298.35
2000	200 to 2000	988-10021	4	104.65	8	197.25
3000	250 to 2500	988-10027	—	—	6	254.30
4000	500 to 3500	988-10033	—	—	6	468.70
<b>Heavy-Duty Griffin Beakers</b>						
150	20 to 140	988-10072	12	106.15	48	400.20
250	25 to 200	988-10078	12	104.85	48	395.20
400	25 to 325	988-10084	12	131.20	48	515.20
600	50 to 500	988-10090	6	79.65	36	450.15
1000	50 to 1000	988-10075	6	145.90	24	572.75
2000	200 to 1800	988-10081	4	198.80	8	390.25
4000	500 to 3500	988-10087	—	—	4	381.05

**PYREX\* Assortment Pack of Griffin Low Form Beakers**

- Convenience pack of PYREX\* beakers with spouts
- Optimal thermal shock resistance and mechanical strength
- Double graduated metric scale
- Extra large marking spot
- Contains one of each of the most popular sizes; 50 mL, 100 mL, 250 mL, 600 mL, and 1L
- Designed for the low volume user
- Packaged in a partitioned carton for safe transit and storage



Catalog No.	Set
988-10045	40.95

To Order – Call 800.772.8786

**PYREX\* 3 L Beaker with Handle and Spout**

- A sturdy, molded glass handle is secured to this 3 L beaker by a stainless steel strap which fits into a recess in the beaker wall
- Hot liquids can be handled easily and safely



Catalog No.	Each
988-10117	348.95

**United Scientific Supplies Low Form Beakers**

- Beakers are made from low-expansion borosilicate glass
- Heavy and uniform wall thickness
- Spouts designed for easy pouring
- Beaded tops
- Double graduated metric scale and a marking area
- Tolerance for beakers is approximately ±5%



Capacity (mL)	Graduation Range (mL)	Catalog No.	Each	Qty/Case	Case
4000	500 to 3500	921-10070	62.90	6	274.25
5000	1000 to 4000	921-10073	57.05	4	199.25

**PYREX\* VISTA Single Metric Scale, Class A Graduated Cylinders**

- Calibrated “to deliver” (TD)
- Cylinders have blue enamel graduations
- Capacity is in accordance with ASTM E-1272
- 10 mL size has a funnel top for easier filling



Capacity (mL)	Catalog No.	Each	Qty/Case	Case
10	988-31183	32.90	24	308.05
25	988-31186	29.10	18	326.45
50	988-31189	30.30	18	339.35
100	988-31192	36.00	12	269.75
250	988-31195	49.85	12	373.10
500	988-31198	58.10	8	347.85

**PYREX\* Serialized / Certified, Class A, Single Metric Scale Cylinders with TS Stoppers**

- Certified Class A graduated cylinders are calibrated “to contain” (TC)
- Each cylinder is individually serialized and supplied with a Corning Certificate of Identification and Capacity, traceable to NIST standards
- Useful as a mixing cylinder when accuracy is paramount
- Designed in accordance with ASTM E1272 and ASTM E542
- Each features a PYREX\* TS (Standard Taper) stopper
- Graduation markings are in durable white enamel



Capacity (mL)	Subdivisions (mL)	Approx. O.D. x H (mm)	TS Stopper No.	Catalog No.	Each
10	0.1	13 x 195	9	988-16720	119.15
25	0.2	18 x 225	13	988-16729	128.05
50	1	24 x 255	16	988-16738	139.40
100	1	29 x 295	16	988-16723	146.80
250	2	39 x 385	22	988-16732	172.20
500	5	50 x 445	27	988-16741	227.85
1000	10	64 x 520	32	988-16726	280.95
2000	20	83 x 550	38	988-16735	443.35

**KIMAX\* Class B Graduated Cylinders with Pour Spouts**

- Calibrated “to contain” (TC)
- 10 mL size has an enlarged funnel top for ease of filling
- Provided with a hexagonal base that is flat ground for stability
- SAFE-GARD\* bumper is provided on sizes 25 mL and larger
- Designed from ASTM E1272, Style I, Class B requirements



Capacity (mL)	Subdivisions (mL)	Tolerance ± (mL)	Approx. Height (mm)	Catalog No.	Each	Qty/Case	Case
10	0.2	0.1	135	985-13189	40.05	12	229.00
25	0.5	0.3	140	985-13213	29.90	12	341.40
50	1	0.4	190	985-13225	36.50	12	333.80
100	1	0.6	255	985-13195	43.55	12	398.45
250	2	1.4	330	985-13219	60.20	6	275.55
500	5	2.6	375	985-13231	70.20	4	256.80
1000	10	5	460	985-13201	106.40	4	389.65
2000	20	10	520	985-13207	163.45	2	311.75

**Sibata\* Class B Student Grade Cylinders**

- Calibrated “to contain” (TC)
- Available in single and double metric scale
- These two part cylinders are made of a strong, accurate glass graduate and a detachable, sturdy plastic hexagonal base
- Removable base makes for easy storage, absorbs impacts, and reduces breakage
- All cylinders feature protective hexagonal bumper guards
- Economy grade, Class B graduated cylinders meet ASTM E1272 specifications



Capacity (mL)	Subdivisions (mL)	Tolerance ± (mL)	Approx. Height (mm)	Catalog No.	Each	Pkg of 6	Case of 24
<b>Single Metric Scale</b>							
10	0.1	0.1	177	980-28717	16.35	34.65	100.80
25	0.2	0.3	210	980-28729	18.10	38.25	111.35
<b>Double Metric Scale</b>							
50	1	0.4	212	980-28735	24.95	53.10	154.55
100	1	0.6	232	980-28723	30.55	53.90	188.15

To Order – Call 800.772.8786

### Thermo Scientific Nalgene\* PMP Economy Plastic Graduated Cylinders

- Easily dispense liquids with generous pour spouts
- Clear PMP cylinders exhibit good chemical and impact resistance
- Easy to read molded-in graduations won't rub off
- Transparent, break-resistant, and non-wetting
- Economical and recyclable
- No meniscus to confuse readings which allows for accurate measurements
- Good temperature resistance up to 135°C (275°F)
- Large, ribbed, rounded base provides reinforcement and stability to keep from rolling or tipping



Capacity (mL)	Subdivisions (mL)	Catalog No.	Qty/Case	Case
10	0.2	967-13330	24	138.35
25	0.5	967-13333	18	125.90
50	1	967-13336	18	157.45
100	1	967-13339	12	125.90
250	2	967-13342	12	166.45
500	5	967-13345	8	156.30
1000	10	967-13348	6	145.10

### Scienceware\* Polypropylene Forceps

- Serrated tips to ensure a firm grasp
- 12.7 cm (5 in.) long
- Strong and durable
- Steam autoclavable up to 121°C (250°F)



Catalog No.	Pkg of 6	Case of 12
144-20110	30.10	38.85

### Heathrow Scientific\* Disposable Forceps

- Corrugated handles
- Serrated tips
- ABS dark blue plastic



Catalog No.	Pkg of 6
150-99463	37.80

**Scienceware\* Polypropylene Powder Funnels**

- Specially designed for transferring powders
- Wide stem for clog-free filling
- Made of polypropylene
- 60° angle aids powder flow
- Steam autoclavable at 121°C (250°F)



Capacity (mL)	Overall Height (mm)	Top I.D. (mm)	Top O.D. (mm)	Stem I.D. (mm)	Stem O.D. (mm)	Stem Length (mm)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
49	71	65	70	12	15	25	964-20950	12	49.75	36	150.50
138	83	80	85	15	18	25	964-20956	12	61.95	36	187.85
248	83	100	85	14	21	26	964-20962	6	36.05	24	150.50
748	136	142	149	24	29	30	964-20968	4	31.45	24	183.95

**Eco-smartFunnel\* Paper Transfer Funnels**

- Environmentally friendly paper product that will naturally biodegrade
- Made of FDA food grade, clay-coated, heavy grade paper
- Uses FSC\* Certified paper
- Innovative “backrest” allows hands-free use when pouring viscous liquids
- Maximum flexibility, cut stem to any desired opening size or shape
- Funnel will stay in position with minimum pressure
- Use with virtually any liquid or powder (not recommended for hot liquids)
- Capacity: 186 mL
- Top opening: 2.4 in.
- Tapers to: 1/4 in.
- Height: 5 in.



Catalog No.	Pkg of 25	Case of 500
150-99511	34.40	482.25

**Scienceware\* Sterileware\* Scoops**

- Perfect size and shape for taking samples, especially from wide mouth containers
- Designed to hold various capacities
- One piece scoops made of high impact polystyrene
- Individually sealed and sterilized in a polyethylene bag
- 2 and 4 oz sampling scoops have a longer handle and flat bottom



Capacity mL (oz)	Bowl L x W x H (cm)	Handle Length (cm)	Catalog No.	Each	Pkg of 100
60 (2)	7.8 x 4.1 x 2.9	12.7	154-22639	31.85	152.00
125 (4)	9.4 x 5.1 x 3.3	12.7	154-22645	40.75	195.35
250 (8)	13.5 x 5.4 x 4.9	5.6	154-22651	33.95	237.40

To Order – Call 800.772.8786

## Sterileware\* Metal Detectable Sterile Sampling Scoops

- Polystyrene plastic impregnated with stainless steel powder from top to bottom
- Permits scoops and scoop fragments as small as 1.6 mm<sup>3</sup> to be detected with standard metal detection and X-ray equipment
- Sterile scoops made with FDA grade materials safe for food, drug, and cosmetic contact
- Pre-notched bag allows easy opening with handle access to maintain scoop cleanliness
- 60 mL (2 oz) and 125 mL (4 oz) scoops have a long handle that increases the distance between the hand and sample to reduce contamination and exposure potential
- Flat bottom allows scoops to remain upright for use as weigh boats or to rest on a flat surface without spilling
- Blue coloring provides a contrasting color to most sampled products
- Individually packaged, sterilized by gamma irradiation, lot stamped for accurate lot tracing, and shipped with a Certificate of Processing for Sterilization



†These sampling scoops are designed for retrieving samples from a larger source. Capacity/volumes are estimated and are not meant for taking exact sample weights/volumes. Stated volumes represent typical heaping samples.

Capacity mL (oz)	Dimensions L x W x H (cm)	Bowl L x W x H (cm)	Handle Length (cm)	Catalog No.	Pkg of 100
60 (2)	20.5 x 4.1 x 2.9	7.8 x 4.1 x 2.9	12.7	944-10222	187.80
125 (4)	22.1 x 5.1 x 3.3	9.4 x 5.1 x 3.3	12.7	944-10225	280.60
250 (8)	19.1 x 5.4 x 4.9	13.5 x 5.4 x 4.9	5.6	944-10228	484.25

## Sterileware\* Economy Sample Spoons

- These economical measurers are ideal for retrieving small, specific volume samples of powders or liquids
- Use a separate spoon for each material sampled to avoid cross contamination
- Flat bottom shape allows them to be used as weighing boats for additional sampling accuracy
- Made from white, FDA grade high-impact polystyrene plastic for durability and stiffness
- Sterile spoons are individually sealed and sterilized in a polyethylene bag ready for one time use and disposal
- Lot stamped for accurate lot tracing and shipped with a Certificate of Processing for Sterilization



Capacity mL (oz)	Width (cm)	Length (cm)	Catalog No.	Pkg of 100
1.25 (0.04)	1.3	10.3	144-24199	103.30
2.5 (0.08)	1.7	10.8	144-24202	103.30
5 (0.17)	2.2	11.4	144-24205	103.30
8 (0.27)	2.9	12.7	144-24208	103.30
20 (0.67)	3.5	13	144-24211	103.30

## Scienceware\* Polypropylene Scoops

- Smooth, translucent scoops ease sample collection and dispensing
- Rugged, one-piece polypropylene construction is chemical and corrosion resistant
- Lengthened handle on 60 and 125 mL scoops better distances the sample from the hand
- Scoops remain upright when filled
- Autoclavable at 121°C (250°F)
- Sampling scoops are designed for retrieving samples from a larger source and therefore capacity/volumes are estimated and are not meant for taking exact sample weights



Capacity mL (oz)	Handle Length (cm)	Bowl L x W x H (cm)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
22 (0.74)	3.2	6.3 x 3.2 x 2.2	144-18496	12	21.70	72	77.95
60 (2)	12.7	7.8 x 4.1 x 2.9	144-18502	12	34.80	72	191.50
75 (2.5)	4.8	9.4 x 4.4 x 2.7	144-18508	12	33.80	72	185.95
125 (4)	12.7	9.4 x 5.1 x 3.3	144-18514	12	32.80	48	123.95
250 (8)	5.6	13.5 x 5.4 x 4.9	144-18520	12	33.75	36	99.75
1100 (37.2)	10.3	22.4 x 12.5 x 9.4	144-18526	6	38.05	24	144.10

**Sterile Disposable smartSpatula\***

- Made of 100% food grade opaque polypropylene
- Meets FDA guidelines for food-contact applications
- Ideal for sterile preps
- Won't shatter when used with liquid nitrogen frozen samples
- Hollow core minimizes heat transfer
- Length: 8<sup>1</sup>/<sub>4</sub> in. (210 mm)
- Width: 1/4 in. (7 mm)
- 100 spatulas/sterile pack in 10 pouches of 10 each



<b>Catalog No.</b>	<b>Pkg of 100</b>
<b>550-80677</b>	<b>123.70</b>

**smartSpatula\* Disposable Spatulas**

- Made of 100% food grade polypropylene†
- Autoclavable for sterile applications
- All spatulas comply with FDA regulations for food-contact
- Won't shatter when used with liquid nitrogen frozen samples
- Hollow core minimizes heat transfer



†Catalog No. 550-80452 and 970-92329 contain small amounts of chemical additive to achieve their desired qualities

Description	Color	Length in. (mm)	Width in. (mm)	Catalog No.	Qty/Pkg	Pkg
Micro, Anti-static	Opaque	5 <sup>1</sup> / <sub>2</sub> (140)	1/8 (3.5)	<b>550-80452</b>	300	<b>29.45</b>
EcoSpatula*	Opaque	5 <sup>1</sup> / <sub>2</sub> (140)	1/4 (7)	<b>970-92329</b>	300	<b>38.50</b>
Standard	Opaque	8 <sup>1</sup> / <sub>4</sub> (210)	1/4 (7)	<b>550-80248</b>	300	<b>38.50</b>
Standard	Blue	8 <sup>1</sup> / <sub>4</sub> (210)	1/4 (7)	<b>550-80209</b>	300	<b>38.50</b>
Macro	Green	12 (310)	1/2 (14)	<b>550-80380</b>	150	<b>45.75</b>

**United Scientific Supplies Plastic Spatulas**

- Molded in polypropylene
- Spatulas feature spoon on one end



Length in. (mm)	Catalog No.	Pkg of 12
6 (152.4)	<b>941-10063</b>	<b>26.95</b>
8 (203.2)	<b>941-10066</b>	<b>35.85</b>

**Heathrow Scientific\* Diamond Weigh Boats**

- Diamond shape easily flexes for accurate pouring
- Wide, flat bottom resists tipping
- Made from FDA/food-grade compliant flexible polystyrene
- Smooth surfaces provide accurate pour-outs with minimal sample loss
- Withstands temperatures from -10 to 70°C (14 to 158°F)



Capacity (mL)	Dimensions L x W x H (mm)	Catalog No.	Pkg of 500
<b>White</b>			
5	55 x 35 x 6	<b>150-99352</b>	<b>18.40</b>
25	71 x 46 x 14	<b>630-10338</b>	<b>30.40</b>
30	78 x 56 x 14	<b>630-10341</b>	<b>30.40</b>
100	119 x 90 x 19	<b>630-10344</b>	<b>63.55</b>
<b>Black</b>			
5	55 x 35 x 6	<b>150-99382</b>	<b>18.40</b>
25	71 x 46 x 14	<b>150-99379</b>	<b>30.40</b>
30	78 x 56 x 14	<b>150-99385</b>	<b>30.40</b>
100	119 x 90 x 19	<b>150-99388</b>	<b>63.55</b>

### Heathrow Scientific\* Standard Weighing Dishes

- Flexible polystyrene boats
- Smooth surfaces provide accurate pour-outs with minimal sample loss
- Select white, black, or blue for best color contrast to ensure sample is completely removed
- Can be used with microwave moisture analyzers
- Boats are shallow with a wide, flat bottom to resist tipping
- Rounded corners simplify transfer
- Temperature range: -10 to 70°C (14 to 158°F)
- FDA/food-grade compliant



Size	Dimensions L x W x H (mm)	Catalog No.	Pkg of 500
<b>White</b>			
Small	46 x 46 x 8	620-10215	21.75
Medium	85 x 85 x 24	620-10218	35.50
Large	140 x 140 x 22	620-10221	60.70
<b>Blue</b>			
Small	46 x 46 x 8	630-10347	21.75
Medium	85 x 85 x 24	630-10350	38.40
Large	140 x 140 x 22	630-10353	68.80
<b>Black</b>			
Small	46 x 46 x 8	150-99334	21.70
Medium	85 x 85 x 24	150-99340	38.40
Large	140 x 140 x 22	150-99346	68.80

### Heathrow Scientific\* Aluminum Weigh Boats

- Sturdy yet lightweight boats feature a smooth, flat bottom for sample handling
- For general-purpose weighing, dispensing, storage, food processing, evaporating, or drying
- Flanged, crimped wall for rigidity
- Finger tab handle can be etched for identification prior to weighing
- Boats also make good dust covers for open vessels
- FDA/food-grade compliant



Size	Diameter (mm)	Height (mm)	Catalog No.	Pkg of 100
Small	43	12	150-99391	32.10
Medium	57	12	150-99394	35.35
Large	70	16	150-99397	42.75

### Heathrow Scientific\* Anti-static Pour Boat Weighing Dishes

- Anti-static, flat-bottom, flexible polystyrene boats
- Smooth surfaces provide accurate pour-outs with minimal sample loss
- Pour-spout design easily dispenses samples without flexing the dish
- Made from 12 mil. thick polystyrene for better strength, stability, and handling
- Can be used with microwave moisture analyzers
- Temperature range: -10 to 70°C (14 to 158°F)
- FDA/food-grade compliant
- White



Size	Dimensions L x W x H (mm)	Catalog No.	Pkg of 500
Small	43 x 58 x 13	150-99532	37.40
Medium	83 x 132 x 26	150-99535	75.60
Large	108 x 183 x 26	150-99538	117.00

**smartBoats\* Paper Weigh Boats**

- Made from FSC\* Certified (FSC\* Mix Credit) paper (Eco-IN)
- When disposed of in the standard waste stream they will naturally biodegrade (Eco-OUT)
- A truly green solution to sample weighing
- Simple and cost-effective solution to reduce plastic use in the laboratory
- Controls contents like a polystyrene weigh boat but easier to pour with
- Alternative to regular weighing papers as they are much easier to handle
- Manufactured in an ISO 9001 certified facility in accordance with BGv, Haccp and FDA regulations
- Made of grease proof paper that meets FDA 21 CFR 176.170 (components of paper in contact with aqueous and fatty foods) and with 21 CFR 176.180 (contact with dry foods)
- Compatible with heat applications with a temperature limitation of 210°C
- Available in brown for light colored samples and white for dark samples



Size	Dimensions L x W x H in. (cm)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
<b>Brown</b>						
Small	1 3/8 x 1 3/8 x 5/8 (3.5 x 3.5 x 1.5)	440-17333	500	44.00	5000	320.00
Medium	1 7/8 x 1 7/8 x 9/16 (4.5 x 4.5 x 1.5)	440-17336	500	50.90	5000	370.00
Large	3 1/4 x 3 1/4 x 1 (9.2 x 9.2 x 2.5)	630-10533	250	51.60	2000	300.05
<b>White</b>						
Small	1 3/8 x 1 3/8 x 5/8 (3.5 x 3.5 x 1.5)	440-17339	500	44.00	5000	320.00
Medium	1 7/8 x 1 7/8 x 9/16 (4.5 x 4.5 x 1.5)	440-17342	500	50.90	5000	370.00
Large	3 1/4 x 3 1/4 x 1 (9.2 x 9.2 x 2.5)	630-10512	250	51.60	2000	300.05

**Heathrow Scientific\* Parafilm M\* Self-Sealing Film**

- Semi-transparent, flexible, thermoplastic film with two-way stretch
- Adheres quickly and firmly to itself and to irregular shapes and surfaces to provide a secure seal
- Excellent for covering beakers, flasks, and cylinders
- Flexible, waterproof backing to prevent sticking
- Colorless, moisture-proof film will stretch 200%
- Nontoxic and free from plasticizers; primarily composed of polyolefins and paraffin waxes
- Supplied in a dispensing box



W x L (in. x ft.)	Catalog No.	Each	Qty/Case	Case
2 x 250	152-68319	39.60	24	387.10
4 x 125	152-68322	49.80	12	384.30
4 x 250	152-68328	81.05	12	664.75
20 x 50	630-10335	130.00	6	655.20

**Heathrow Scientific\* Parafilm\* Dispenser**

- Acrylic dispenser stores, dispenses, and cuts Parafilm\* Sealing Film (not included)
- Heavy-duty construction for increased durability
- Strong, crystal-clear acrylic dispenser makes your film supply visible and features a serrated cutting blade
- Dispenser holds one or two 50 mm (2 in.) rolls, or one 100 mm (4 in.) roll
- Dimensions (W x H x D): 119 x 168 x 175 mm



Catalog No.	Each
140-74995	135.20

**Berkshire\* BCR\* CleaNotes\*  
 Cleanroom Sticky Notes**

- For documentation use in cleanroom environments
- Made from 104 g/m (28#) weight cleanroom white bond paper
- 3 x 3 in. (76 x 76 mm)
- Specialized coating to reduce particles and fibers
- Smooth surface reduces surface particle contamination
- Adhesive designed specifically not to leave unwanted residues behind
- Silicone free
- Easy to write on
- 100 sheets per pad; 24 pads per case



Catalog No.	Case of 24
518-60332	165.65

**Pharma-Choice\*  
 Cleanroom Spiral Notebook**

- Extra thick 28# paper - no bleed thru
- Paper is impregnated and coated with polymer formula that obstructs particles from generating
- 8½ x 11 in. pages
- Latex-free
- College ruled
- 100 pages per notebook
- 10 notebooks/case



Catalog No.	Case of 10
555-10015	277.10

**Berkshire Bond\* Heavyweight  
 Cleanroom Paper**

- Heavyweight cleanroom paper made with the the purest cellulose to minimize contamination
- Can be gamma irradiated for use in sterile applications
- Heavy 104 g/m (28#) weight, durable for double-sided and archival documents
- Specialized coating to reduce particles, fibers, and microorganisms
- Class A, B & C/ISO Class 3-7
- Use like normal paper for writing, copying, and printing
- Compatible with all standard photocopiers and laser printers without jamming
- Not recommended for use with inkjet printers
- Smooth surface reduces surface particle contamination
- Retains toner from copiers and laser printers to reduce smudging
- Full lot tracing on every case
- Double packed for cleanliness
- 250 sheets per pack



Sheet Size (in.)	Color	Catalog No.	Qty/Case	Case
8.5 x 11	Blue	518-60299	10	221.90
8.5 x 11	White	518-60302	10	209.15
11 x 17	Blue	518-60305	5	249.20
11 x 17	White	518-60308	5	239.65

**Kimberly-Clark\* FLUIDSHIELD\*  
 N95 Particulate Filter Respirator  
 / Surgical Mask with Safety  
 Shield**

- Provides a minimum of 95% filtration efficiency of 0.3 micron particles
- So Soft\* lining
- Pouch-style, large breathing chamber for added comfort
- Safety seal is constructed with a fluid-resistant layer and a patented combination of materials to resist fluid penetration
- Two polyurethane headbands secure the mask to the face to help ensure a tight facial seal and prevent leakage around the mask edges
- N95 NIOSH approved
- Orange



Size	Catalog No.	Pkg of 35	Case of 210
Small	501-81980	100.90	454.10
Regular	911-10418	100.90	454.10

**3M\* Health Care N95  
 Particulate Respirator and  
 Surgical Mask**

- Helps provide respiratory protection against certain airborne particles
- Disposable and fluid resistant to splash and spatter of infectious material
- NIOSH approved N95
- FDA cleared for use as a surgical mask
- 99% BFE (Bacterial Filtration Efficiency) according to ASTM F2101
- Fluid-resistant according to ASTM F1862
- Latex-free
- Collapse resistant cup shape design
- Braided headbands, cushioning nose foam, and lightweight construction for comfortable wear



Size	Catalog No.	Pkg of 20
Small	912-10131	28.50
Standard	912-10128	28.50

**Tronex N95 Cone Style Respirator**

- Provides effective protection against the inhalation of dangerous particulates and the transmission of airborne pathogens, per NIOSH 42 CFR Part 84 N95 respirator requirements
- Designed for extended wear, offering an optimal seal for a wide range of facial structures
- Meets or exceeds all industry standards for safety and quality assurance
- Designed for extended wear with comfortable head straps
- Features malleable nose bridge and foam bridge seal for customized fit
- 100% latex-free
- Engineered for one size fits all
- White



Size	Catalog No.	Bag of 20	Case of 240
Universal	501-81995	25.70	154.00

**Spilfyter\* Lab and Cleanroom Sorbent Pillows**

- Premium sorbent for extended-use and high durability
- Designed specifically with the lab or cleanroom environment in mind
- Hazmat pads encased in tear resistant, low-lint spunbond
- Use low-lint pillows to keep work areas safe, free from spills, and from liquid or chemical over-run
- Available in various sizes and weights for multiple use applications
- Contains spills and prevents migration



Size (in.)	Weight	Catalog No.	Qty/Pkg	Pkg
8.5 x 8.5	Light	111-76238	20	166.45
8.5 x 17	Medium	111-76241	12	139.85
18 x 18	Heavy	111-76244	12	219.05

**Spilfyter\* Low-Lint Lab and Cleanroom Sorbent Pillows**

- Premium sorbent for extended-use and high durability
- Designed specifically with the lab or cleanroom environment in mind
- Hazmat pads encased in tear resistant, low-lint spunbond
- Use low-lint pads to keep work areas safe, free from spills, and from liquid or chemical over-run
- Extra low-lint pads (Cat. No. 111-76262 and 111-76259) provide for a 100% lint free cleanroom where airborne particles are prohibited
- Available in two sizes for multiple use applications
- Contains spills and prevents migration



Size (in.)	Weight	Color	Catalog No.	Qty/Pkg	Pkg
<b>Extra Low Lint</b>					
12 x 12	Heavy	White	111-76262	25	203.50
12 x 12	Light	White	111-76259	50	299.75
<b>Low Lint</b>					
12 x 12	1-Ply Light	Yellow	111-76253	50	260.15
18 x 18	1-Ply Light	Yellow	111-76256	50	337.25

**Spilfyter\* Lightweight Poly-Backed Universal Sorbent Pads**

- Premium material with high absorbency properties
- Skid-resistant backing for a safe work environment
- Durable spunbond, lint-free cover sheet with dimple bonding for increased strength
- Latex-free
- Leak-proof poly-backing traps liquids and protects floors
- Lightweight absorbency allows for low volume fluid applications
- Single-use application
- Disposable for fast clean-up
- Meltblown Polypropylene / Spunbond / Poly-Backing



Size (in.)	Catalog No.	Pkg of 20
32 x 54	111-76649	140.60
32 x 64	111-76652	162.25

**Spilfyter\* Heavyweight Poly-Backed Universal Sorbent Pads**

- Premium material with high absorbency properties
- Skid-resistant backing for a safe work environment
- Durable spunbond, lint-free cover sheet with dimple bonding for increased strength
- Latex-free
- Leak-proof poly-backing traps liquids and protects floors
- Heavyweight absorbency allows for high volume fluid applications
- Single-use application
- Disposable for fast clean-up
- Meltblown Polypropylene / Spunbond / Poly-Backing



Size (in.)	Catalog No.	Qty/Pkg	Pkg
32 x 36	111-76643	30	194.65
32 x 44	111-76646	30	216.30
64 x 45	111-76667	15	212.40

**Low Lint Towels**

- Single use towels for spills and clean-ups
- Highly absorbent
- Absorbs approximately 1/2 ounce of fluid depending on the viscosity of the liquid
- Lint-free — reduces particulates in or around cleanroom areas as recommended by ASHP, ONS, and NIOSH
- Latex-free



Size (in.)	Catalog No.	Case of 300
9 x 9	551-83304	79.05

**Spilfyter\* Hazmat Spill Station**

- Compact kit is ideal for the lab or cleanroom environment where space is at a premium
- Absorbs up to 8 gallons (29 liters) per station
- Cabinet measures 18 1/2 x 15 1/2 x 9 in.



**Hazmat Spill Station Includes:**

- (10) 12 x 12 in. pads
- (10) 8.5 x 17 in. pillows
- (2) pairs of nitrile gloves
- (2) poly aprons
- (2) pairs of splash goggles
- (10) disposal bags & twist ties
- (1) plastic cabinet w/clear hinged door

Catalog No.	Each
111-76220	483.60

To Order – Call 800.772.8786

**Spillyter\* Mini Hazmat Spill Kit**

- Contains a small amount of hazmat sorbent pads and disposal bag for small, local spills that do not require any neutralization
- Ideal for labs and areas that have limited shelf space

**Mini Hazmat Spill Kit Includes:**

- (10) 12 x 12 in. hazmat pads
- (1) pair of splash goggles
- (1) disposal bag and twist tie



Catalog No.

Pkg of 4

111-76223

82.60

**Spillyter\* 20 Gallon Hazmat Spill Kit**

- 20 gallon drum kit is ideal for the lab or cleanroom environment for fast response to unexpected spills
- Absorbs up to 10 gallons (37 liters) per kit

**Hazmat Spill Kit Includes:**

- (50) 12 x 12 in. heat-pressed pads
- (12) 8.5 x 17 in. medium-duty cleanroom pads
- (3) 18 x 18 in. heavy-duty pillows
- (1) pair of nitrile gloves
- (1) pair of splash goggles
- (1) poly apron
- (1) 20 gallon poly drum with lever-lock metal ring top
- (1) disposal bag & twist tie



Catalog No.

Each

111-76247

604.55

**Spillyter\* Lab and Cleanroom Sorbents Spill Kit**

- Provides a space-saving option for storing sorbent materials in labs and cleanrooms
- All sorbents are poly-bagged and heat-sealed
- Absorbs up to 2 gallons (8 liters) per kit
- ABS cabinet measures 18½ x 15½ x 9 in.

**Cleanroom Sorbents Spill Kit Includes:**

- (10) 12 x 12 in. light-duty cleanroom pads
- (10) 8.5 x 17 in. medium-duty pillows
- (2) pairs of nitrile gloves
- (2) poly aprons
- (2) pairs of splash goggles
- (2) disposal bags & twist ties
- (1) plastic cabinet w/clear hinged door



Catalog No.

Each

111-76250

604.55

**GVS\* Calyx\* PES Capsule Filters**

- Hydrophilic PES membrane filter in a polyester housing
- Sterile filtration units designed for the removal of particles or bacteria from aqueous or solvent solutions and gas streams
- Ready-to-use, eliminating the need to disassemble, clean, and reassemble filter housings
- Capsules contain no glue or surfactants and feature serial layer filter design for increased throughput and extended life
- Two upstream vents are included to facilitate venting in any position
- All capsules containing membrane media are pre-flushed with purified water to reduce extractables
- Capsules pass class VI toxicology testing and are integrity tested prior to shipment



Inlet/Outlet Connection	Filtration Area (ft <sup>2</sup> )	Length in. (cm)	Catalog No.	Each
<b>0.22 µm Pore Size</b>				
1/4 in. NPT male	0.8	3.5 (9)	899-76561	108.95
1/4 to 1/2 in. stepped hose barb	0.8	4 (10)	899-76567	108.95
1/4 to 1/2 in. stepped hose barb	3	8.1 (20)	899-76573	284.45
1/2 in. NPT male	3	8.4 (21)	899-76603	284.45
<b>0.45 µm Pore Size</b>				
1/4 to 1/2 in. stepped hose barb	0.8	4 (10)	899-76570	108.95
1/4 to 1/2 in. stepped hose barb	3	8.1 (20)	899-76597	284.45

**GVS\* Calyx\* Polypropylene Capsule Filters**

- Hydrophobic polypropylene membrane filter in a polypropylene housing
- Sterile filtration units designed for the removal of particles or bacteria from aqueous or solvent solutions and gas streams
- Ready-to-use, eliminating the need to disassemble, clean, and reassemble filter housings
- Capsules contain no glue or surfactants and feature serial layer filter design for increased throughput and extended life
- Two upstream vents are included to facilitate venting in any position
- All capsules containing membrane media are pre-flushed with purified water to reduce extractables
- Capsules pass class VI toxicology testing and are integrity tested prior to shipment



Inlet/Outlet Connection	Filtration Area (ft <sup>2</sup> )	Length in. (cm)	Catalog No.	Each
<b>0.22 µm Pore Size</b>				
1/4 in. NPT male	0.8	3.5 (9)	899-76555	106.50
1/2 NPT male	5.9	12.3 (31)	899-76552	220.30

**GVS\* Calyx\* Nylon Capsule Filters**

- Hydrophilic nylon membrane filter in a polyester housing
- Sterile filtration units designed for the removal of particles or bacteria from aqueous or solvent solutions and gas streams
- Ready-to-use, eliminating the need to disassemble, clean, and reassemble filter housings
- Capsules contain no glue or surfactants and feature serial layer filter design for increased throughput and extended life
- Two upstream vents are included to facilitate venting in any position
- All capsules containing membrane media are pre-flushed with purified water to reduce extractables
- Capsules pass class VI toxicology testing and are integrity tested prior to shipment



Inlet/Outlet Connection	Filtration Area (ft <sup>2</sup> )	Length in. (cm)	Catalog No.	Each
<b>0.2 µm Pore Size</b>				
1/4 in. NPT male	0.8	3.5 (9)	899-76609	110.15
3/8 in. hose barb	0.8	4 (10)	899-76549	113.80
<b>0.4 µm Pore Size</b>				
3/8 in. hose barb	0.8	4 (10)	899-76579	111.35

To Order – Call 800.772.8786

**GE Whatman\* Polycap\* AS 36 Capsule Filters**

- Pre-sterilized with gamma irradiation
- First layer (GMF) acts as a prefilter to ensure longer membrane life and higher filtration efficiency
- Nylon membrane layer is inherently hydrophilic, has low extractables, is biosafe, and has excellent flow rates
- Housing is thermally fused; no glues, adhesives, or extraneous materials
- Integrity-testable by bubble point, pressure decay, or forward flow methods
- Provides highly effective filtration area in a small size
- Housing: Polypropylene
- Membrane: Nylon
- Diameter: 36 mm
- Pre-filter: Glass microfiber double laminated with polyolefin monofilament, non-woven
- Filtration area: 400 cm<sup>2</sup>
- Manufactured in cleanroom facilities under ISO Quality Systems



Inlet/Outlet Connection	Catalog No.	Each
<b>0.2 µm Pore Size</b>		
3/8 in. SB	889-30856	79.85
3/8 in. SB plus filling bell	889-80400	84.90
1/4 in. MNPT / SB	889-30901	79.85
1/2 in. SB	889-30889	79.85
<b>0.45 µm Pore Size</b>		
3/8 in. SB	889-30859	79.85

**GE Whatman\* Polycap\* HD 36 Capsule Filters**

- Steam autoclavable
- High flow and high retention capacity
- 100% polypropylene filter media, support system, and housing allows usage with a broad range of solutions, pH, and temperatures
- For filtration of high-debris solutions and pre-filtration of aggressive chemicals and solutions
- Manual vent with luer lock to bleed air from upstream or serve as an injection or sample port
- Housing: Polypropylene
- Membrane: Polypropylene
- Diameter: 36 mm
- Filtration area: 400 cm<sup>2</sup>
- Manufactured in cleanroom facilities under ISO Quality Systems



Inlet/Outlet Connection	Catalog No.	Each	Pkg of 5
<b>0.2 µm Pore Size</b>			
FNTP	889-76587	—	345.10
<b>1 µm Pore Size</b>			
FNTP	889-76590	—	345.10
3/8 in. SB	889-30814	76.80	—
<b>5 µm Pore Size</b>			
FNTP	889-76593	—	345.10
3/8 in. SB	889-30826	76.80	—
<b>10 µm Pore Size</b>			
FNTP	889-76596	—	345.10
3/8 in. SB	889-30817	76.80	—
<b>20 µm Pore Size</b>			
FNTP	889-76599	—	345.10
3/8 in. SB	889-30823	76.80	—

**GE Whatman\* Polycap\* HD 75 Capsule Filters**

- Steam autoclavable
- High flow and high retention capacity
- 100% polypropylene filter media, support system, and housing allows usage with a broad range of solutions, pH, and temperatures
- For filtration of high-debris solutions and pre-filtration of aggressive chemicals and solutions
- Manual vent with luer lock to bleed air from upstream or serve as an injection or sample port
- Housing: Polypropylene
- Membrane: Polypropylene
- Diameter: 75 mm
- Filtration area: 820 cm<sup>2</sup>
- Manufactured in cleanroom facilities under ISO Quality Systems



Inlet/Outlet Connection	Catalog No.	Each	Pkg of 5
<b>0.45 μm Pore Size</b>			
HB	889-76551	—	447.25
<b>1 μm Pore Size</b>			
FNPT	889-76623	—	452.05
1/2 in. SB	889-30829	109.05	—
<b>5 μm Pore Size</b>			
FNPT	889-76629	—	452.05
MNPT	889-76626	—	452.05
1/2 in. SB	889-30838	109.05	—
<b>10 μm Pore Size</b>			
HB	889-76557	—	447.25
FNPT	889-76635	—	452.05
1/2 in. SB	889-30832	109.05	—
<b>20 μm Pore Size</b>			
FNPT	889-76638	—	452.05
1/2 in. SB	889-30835	109.05	—

**GE Whatman\* Polycap\* SPF Capsule Filters**

- Steam autoclavable
- Highly suitable for hard-to-filter solutions
- Features three layers of special media: fine and ultrafine glass microfiber (GMF) and PES membrane
- Suitable for filtering sera, viral suspensions, nutrients, biologicals, immunologicals, enzymes, and buffers
- Pre-filters help extend the life of the final filter
- Housing: Polypropylene
- Membrane: Polyethersulfone (PES) with two layers of glass microfiber
- Inlet/outlet connection: 3/8 in. SB
- Pore size: 1 μm
- Manufactured in cleanroom facilities under ISO Quality Systems



Diameter (mm)	Filtration Area (cm <sup>2</sup> )	Catalog No.	Each
36	260	889-30853	95.15
75	535	889-30865	119.45

**GE Whatman\* Polycap\* TF 36 Capsule Filters**

- Steam or chemical autoclavable
- Integrity-testable
- Designed for use with organic solvents and chemically aggressive solutions
- 1 µm capsules are designed for extended life and filtration of highly contaminated solutions
- Membrane: PTFE
- Housing: Polypropylene
- Diameter: 36 mm
- Filtration area: 500 cm<sup>2</sup>
- Manufactured in a Class 10,000 cleanroom under ISO Quality Systems



Inlet/Outlet Connection	Catalog No.	Each	Pkg of 5
<b>0.1 µm Pore Size</b>			
MNPT / 3/8 in. SB	889-30925	120.80	—
<b>0.2 µm Pore Size</b>			
FNPT	889-76572	—	472.45
MNPT / 3/8 in. SB	889-30928	120.80	—
3/8 in. SB	889-30787	120.80	—
1/2 in. SB	889-30913	109.15	—
<b>0.45 µm Pore Size</b>			
MNPT / 3/8 in. SB	889-30931	—	120.80
1 1/2 in. sanitary fitting	889-76575	—	467.90
<b>1 µm Pore Size</b>			
FNPT	889-76578	—	472.45
3/8 in. SB	889-30790	120.80	—

**GE Whatman\* Polycap\* TF 75 Capsule Filters**

- Steam or chemical autoclavable
- Integrity-testable
- Designed for use with organic solvents and chemically aggressive solutions
- 1 µm capsules are designed for extended life and filtration of highly contaminated solutions
- Membrane: PTFE
- Support system: Polypropylene
- Housing: Polypropylene
- Diameter: 75 mm
- Filtration area: 1000 cm<sup>2</sup>
- Manufactured in a Class 10,000 cleanroom under ISO Quality Systems



Inlet/Outlet Connection	Catalog No.	Each	Pkg of 5
<b>0.1 µm Pore Size</b>			
FNPT	889-76602	—	610.75
3/8 in. SB	889-30793	157.95	—
<b>0.2 µm Pore Size</b>			
FNPT	889-76608	—	610.75
MNPT	889-76605	—	610.75
MNPT / 1/2 in. SB	889-30937	157.95	—
3/8 in. SB	889-30796	157.95	—
1/2 in. SB	889-30919	157.95	—
<b>0.45 µm Pore Size</b>			
FNPT	889-76611	—	610.75
3/8 in. SB	889-30799	157.95	—
<b>1 µm Pore Size</b>			
1/2 in. SB	889-30805	157.95	—

**GVS\* ABLUO\* Sterile 13 mm Cellulose Acetate (CA) Syringe Filters**

- Multifunctional sterile syringe filters
- Quick and efficient filtration of samples and all kinds of solutions, solvents, or gases
- Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging
- Hydrophilic Cellulose Acetate (CA) membrane: low nonspecific binding, low adsorption, thermally stable, and uniform pore structure
- Membrane diameter: 13 mm
- Housing material: Acrylic
- Housing diameter: 18 mm
- Effective filtration area: 0.6 cm<sup>2</sup>
- Pressure bar: 5
- Inlet /outlet: Female luer lock / Male luer slip
- Individually blister packed



Pore Size (µm)	Color	Catalog No.	Box of 50
0.22	Blue	889-80208	64.80
0.45	Yellow	889-80214	64.80
0.8	Green	889-80220	78.20
1.2	Red	889-80226	78.20
5	Brown	889-80232	78.20

**GVS\* ABLUO\* Sterile 25 mm Cellulose Acetate (CA) Syringe Filters**

- Multifunctional sterile syringe filters
- Quick and efficient filtration of samples and all kinds of solutions, solvents, or gases
- Equipped with luer-lock or luer-slip male connections for different applications
- Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging
- Hydrophilic Cellulose Acetate (CA) membrane: low nonspecific binding, low adsorption, thermally stable, and uniform pore structure
- Membrane diameter: 25 mm
- Housing material: Acrylic
- Housing diameter: 33 mm
- Effective filtration area: 4.6 cm<sup>2</sup>
- Individually blister packed



Pore Size (µm)	Color	Catalog No.	Box of 50
<b>Female Luer Lock / Male Luer Lock</b>			
0.22	Blue	889-80289	72.35
0.45	Yellow	889-80295	72.35
0.8	Green	889-80301	78.20
1.2	Red	889-80307	78.20
5	Brown	889-80313	78.20
<b>Female Luer Lock / Male Luer Slip</b>			
0.22	Blue	899-76387	71.30
0.45	Yellow	899-76390	71.30
0.8	Green	899-76393	74.50

**Thermo Scientific Nalgene\* 25 mm Cellulose Acetate (CA) Syringe Filters**

- Sterile
- 10 to 100 mL sample size
- Inlet: Female luer lock
- Outlet: Male luer slip
- Polypropylene housing with red color ring
- Pore size and membrane type printed on unit
- Some protein binding and extractables
- For sterile filtration and clarification of: buffers, aqueous solutions, and reagents



Pore Size (µm)	Catalog No.	Case of 50
0.8	887-10298	209.50

**GVS\* ABLUO\* Sterile 13 mm PES Syringe Filters**

- Multifunctional sterile syringe filters
- Quick and efficient filtration of samples and all kind of solutions, solvents, or gases
- Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging
- Hydrophilic Polyethersulfone (PES) membrane: low protein binding, high throughput, and asymmetric structure
- Membrane diameter: 13 mm
- Housing material: Transparent Acrylic
- Housing diameter: 18 mm
- Effective filtration area: 0.6 cm<sup>2</sup>
- Pressure bar: 5
- Inlet /outlet: Female luer lock / Male luer slip
- Individually blister packed



Pore Size (µm)	Catalog No.	Box of 50
0.2	889-80241	75.75
0.45	889-80244	75.75

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**GVS\* ABLUO\* Sterile 25 mm PES Syringe Filters**

- Multifunctional sterile syringe filters
- Quick and efficient filtration of samples and all kinds of solutions, solvents, or gases
- Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging
- Hydrophilic Polyethersulfone (PES) membrane: low protein binding, high throughput, and asymmetric structure
- Membrane diameter: 25 mm
- Housing material: Transparent Acrylic
- Housing diameter: 33 mm
- Effective filtration area: 4.6 cm<sup>2</sup>
- Inlet /outlet: Female luer lock / Male luer slip
- Individually blister packed



Pore Size (µm)	Catalog No.	Box of 50
0.2	889-80322	75.75
0.45	889-80325	75.75
0.8	899-76399	74.50

**Thermo Scientific Nalgene\* 25 mm PES Syringe Filters**

- Sterile
- 10 to 100 mL sample size
- Inlet: Female luer lock
- Outlet: Male luer slip
- Polypropylene housing with green color ring
- Pore size and membrane type printed on unit
- Lowest protein binding and extractables
- Best choice for filtering cell culture media



Pore Size (µm)	Catalog No.	Pkg of 5	Case of 50
0.2	887-10361	28.80	209.50
0.45	887-10364	28.80	209.50

**GVS\* ABLUO\* Sterile 13 mm PVDF Syringe Filters**

- Multifunctional sterile syringe filters
- Quick and efficient filtration of samples and all kind of solutions, solvents, or gases
- Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging
- Naturally hydrophobic unsupported PVDF membrane: high sensitivity, low background, and broad chemically compatibility
- Membrane diameter: 13 mm
- Housing material: Transparent Acrylic
- Housing diameter: 18 mm
- Effective filtration area: 0.6 cm<sup>2</sup>
- Pressure bar: 5
- Inlet /outlet: Female luer lock / Male luer slip
- Individually blister packed



Pore Size (µm)	Catalog No.	Box of 50
0.2	889-80280	81.85
0.45	889-80283	81.85

**GVS\* ABLUO\* Sterile 25 mm PVDF Syringe Filters**

- Multifunctional sterile syringe filters
- Quick and efficient filtration of samples and all kinds of solutions, solvents, or gases
- Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging
- Naturally hydrophobic unsupported PVDF membrane: high sensitivity, low background, and broad chemical compatibility
- Membrane diameter: 25 mm
- Housing material: Transparent Acrylic
- Housing diameter: 33 mm
- Effective filtration area: 4.6 cm<sup>2</sup>
- Inlet /outlet: Female luer lock / Male luer slip
- Individually blister packed



Pore Size (μm)	Catalog No.	Box of 50
0.2	889-80385	81.85
0.45	889-80388	81.85

**GVS\* ABLUO\* Sterile 25 mm Nylon Syringe Filters**

- Multifunctional sterile syringe filters
- Quick and efficient filtration of samples and all kinds of solutions, solvents, or gases
- Each filter is labeled with the specific filter material and pore size for easy identification even if the syringe filter is not in its original packaging
- Hydrophilic Nylon (NY) membrane: internally supported, high surface area, high protein binding, low extractables, supported for strength for automated equipment handling
- Membrane diameter: 25 mm
- Housing material: Transparent Acrylic
- Housing diameter: 33 mm
- Effective filtration area: 4.6 cm<sup>2</sup>
- Inlet /outlet: Female luer lock / Male luer slip
- Individually blister packed



Pore Size (μm)	Catalog No.	Box of 50
0.1	899-76372	77.75
0.22	899-76375	77.75
0.45	899-76378	77.75
1.2	899-76381	77.75
5	899-76384	77.75

**Thermo Scientific Nalgene\* 25 mm Nylon Syringe Filters**

- Sterile
- 10 to 100 mL sample size
- Inlet: Female luer lock
- Outlet: Male luer slip
- Polypropylene housing with pink color ring
- Pore size and membrane type printed on unit
- Naturally hydrophilic, low extractables, some protein binding
- Useful for alcohols, cryoprotectants such as DMSO and with aqueous/biological and weak solvents



Pore Size (μm)	Bubble Point (psi)	Catalog No.	Pkg of 5	Case of 50
0.2	56	887-10370	34.85	253.40
0.45	39	887-10367	34.85	254.40

To Order – Call 800.772.8786

### Thermo Scientific Nalgene\* 25 mm SFC A Syringe Filters

- Sterile
- 10 to 100 mL sample size
- Inlet: Female luer lock
- Outlet: Male luer slip
- Polypropylene housing with blue color ring
- Pore size and membrane type printed on unit
- Low protein binding; lower extractables than standard cellulose acetate
- Good for cell culture fluids and cellular solutions



Pore Size (µm)	Catalog No.	Pkg of 5	Case of 50
0.2	887-10358	28.80	209.50
0.45	887-10355	28.80	209.50

### Q.I. Medical Bubble Point Testing Kit

- For evaluating the integrity of filters
- Gauge comes with calibration certificate from manufacturer and can be recalibrated annually

#### Kit Includes:

- Filter integrity gauge: 100 psi (max.)
- 20 mL luer lock syringe
- 6 in. section of tubing
- Log sheet



Catalog No.	Each
550-80824	357.85

### Texwipe\* Alpha\* Long Handle Cleanroom Swabs

- Tip has a double layer of polyester knit fabric for enhanced absorbency
- Engineered to resist snagging and abrading, preventing the release of particles and fibers
- Excellent chemical resistance for compatibility with a variety of solutions
- Cleanroom laundered, providing ultra low levels of particles, NVRs (non volatile residues), and ions
- 100% virgin polypropylene handle ensures no additional contaminants are introduced
- Autoclavable in dry heat and steam
- Appropriate for use in temperatures less than 410°F



#### Specifications:

- Head (W x L x thickness): 6.8 x 16.8 x 2.8 mm (0.27 x 0.66 x 0.11 in.)
- Handle (W x L x thickness): 3.2 x 145.5 x 3.2 mm (0.13 x 5.73 x 0.13 in.)
- Overall length: 162.3 mm (6.4 in.)
- Head bond: Thermal

Catalog No.	Pkg of 100	Case of 1000
151-83918	34.20	317.35

### Texwipe\* Low TOC Alpha\* Sampling Swabs

- Certified Low TOC levels (<50 µg/L, <50 ppb) ensures consistency in swab background contribution
- Double layered, double knit polyester head entraps contaminants in the knit structure during sampling
- Notched, break-away handle allows head to be placed into vial with minimal handling
- 100% polypropylene handle ensures no additional contaminants are introduced and provides excellent chemical resistance
- Autoclavable for use in sterile environments and processes



#### Specifications:

- Head (W x L x thickness): 12.7 x 25.7 x 4.2 mm (0.50 x 1.01 x 0.17 in.)
- Handle (W x L x thickness): 5.2 x 101.8 x 3.0 mm (0.21 x 4.01 x 0.12 in.)
- Overall length: 127.5 mm (5.02 in.)
- Head bond: Thermal

Catalog No.	Pkg of 20	Case of 1000
511-60815	57.85	1821.35

**Puritan\* Sterile Standard Cotton Swabs with Polystyrene Handle**

- Sterile swabs are individually or dual wrapped
- Produced with high quality USP grade cotton which is carded and coiled onsite to maintain consistency
- Tip is bonded securely to a semi-flexible polystyrene handle by an aqueous based adhesive
- Medical grade quality
- Absorbent and soft smooth cotton tip
- Made in USA



**Specifications:**

- Head (Dia. x L): 0.203 x 0.687 in. (5.156 x 17.449 mm)
- Handle diameter: 0.1 in. (2.54 mm)

Overall Length in. (mm)	Packaging	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
3 (76.2)	Dual Wrapped	<b>150-29683</b>	200	<b>34.55</b>	2000	<b>172.80</b>
6 (152.4)	Dual Wrapped	<b>150-29722</b>	200	<b>25.85</b>	2000	<b>129.15</b>
6 (152.4)	Individually Wrapped	<b>150-29749</b>	100	<b>24.45</b>	1000	<b>122.35</b>

**Puritan\* Sterile Standard Rayon Swabs with Polystyrene Handle**

- Sterile individually wrapped specialty swabs
- Made with USP grade rayon fiber that is carded on-site to maintain consistency
- Absorbent, soft smooth tip
- Tip is bonded securely to a semi-flexible polystyrene handle by an aqueous based adhesive
- Medical grade quality
- Made in the USA



**Specifications:**

- Head (Dia. x L): 0.203 x 0.687 in. (5.156 x 17.45 mm)
- Handle (Dia. x L): 0.1 x 5.875 in. (2.54 x 149.225 mm)
- Overall length: 6 in. (152.4 mm)

Catalog No.	Pkg of 100	Case of 1000
<b>150-29704</b>	<b>27.30</b>	<b>136.60</b>

**BD\* Sterile General Purpose Syringes with Luer-Lok\* Tip**

- Sterile
- General purpose
- Luer-Lok\* tips
- Polypropylene



Volume (mL)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
3	<b>553-10570</b>	200	<b>36.95</b>	800	<b>118.20</b>
5	<b>553-10576</b>	125	<b>32.20</b>	500	<b>103.55</b>
10	<b>553-10984</b>	200	<b>53.30</b>	400	<b>89.55</b>
20	<b>553-10591</b>	48	<b>33.50</b>	192	<b>107.75</b>
30	<b>553-10600</b>	56	<b>44.65</b>	224	<b>143.65</b>
60	<b>553-10606</b>	40	<b>47.60</b>	160	<b>153.20</b>

To Order – Call 800.772.8786

**Sterile Self-Righting Luer Tip Caps**

- Luer self-righting design for secure capping of syringes
- Packaged in a DiscPac\* of 100
- Non-latex TPE (thermoplastic elastomer) material withstands freezing
- DiscPac\* may be reclosed and stored in hood for later use
- Sterile



Catalog No.	Pkg of 100
550-81340	32.70

**BD\* Sterile Syringe Tip Caps**

- Individually wrapped
- Sterile
- Latex-free
- Blue polypropylene



Catalog No.	Pkg of 200	Case of 2000
553-10978	33.60	282.25

**BD\* Luer Lock Tip Caps**

- Sterile
- Latex-free
- Polypropylene
- Slip-on design allows for quick application
- Minimized risk of touch contamination
- Self-venting feature reduces additional manipulation
- Sealed tray sections save time and cost while maintaining sterility



Catalog No.	Pkg of 10	Case of 2000
553-10162	5.45	347.05

**TrueCare\* Syringe Locking Caps**

- Dual-function red caps for safe and secure connection to luer lock syringes
- Male luer lock on one end and a female luer lock on the other



Catalog No.	Pkg of 100
551-83244	32.55

**Female to Female Luer Lock Connectors**

- Sterile-packaged
- Pyrogen-free
- Ideal for filling dispensers from a luer connection
- Connects to male luer syringes, tube sets, or repeating syringes
- Unique and sturdy design facilitates contamination-free handling



Catalog No.	Pkg of 10
553-10714	9.35

**BD\* Blunt Fill Needles**

- These 18- and 20-gauge needles allow for rapid transfer and aspiration without coring
- Long enough to easily penetrate single and double-septum barriers
- Requires a higher puncture penetration force than a conventional sharp but are less likely to cause needlestick injuries
- Standard luer hub for standardization
- Red hub shield



Gauge	Length (in.)	Catalog No.	Pkg of 100	Case of 1000
18	1½	553-10129	88.75	459.80
18	1	553-10132	88.75	403.65
20	1	553-10135	88.75	518.95

**BD\* PrecisionGlide\* Regular Bevel Needles**

- Available in a wide range of gauges and lengths
- Regular wall
- Regular bevel (Cat. No. 553-10870 has an intradermal bevel)
- Sterile
- Single use



Gauge	Length (in.)	Catalog No.	Case of 1000
18	1	553-10855	101.75
18	1½	553-10963	101.75
20	1	553-10924	101.75
20	1½	553-10927	101.75
21	1	553-10918	145.45
21	1½	553-10921	145.45
22	1	553-10909	145.45
22	1½	553-10912	145.45
23	¾	553-10903	246.65
23	1	553-10906	145.45
23	1¼	553-10879	173.65
25	⅝	553-10882	145.45
25	7/8	553-10885	163.85
25	1	553-10888	131.95
25	1½	553-10891	145.45
26	¾	553-10870	145.45
26	1½	553-10873	145.45
27	1½	553-10867	145.45
27	1¼	553-10900	197.35

### Pharma-Choice\* TSA (Tryptic Soy Agar) Plates

- Used for passive or active air sampling

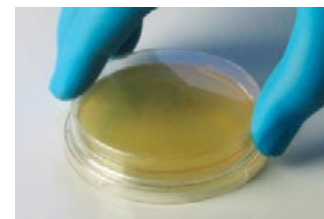


†Additional shipping will apply to all cold shipments

Size (mm)	Catalog No.	Pkg of 10
15 x 100	745-10033	25.80
15 x 150	745-10036	90.40

### Pharma-Choice\* TSA (Tryptic Soy Agar) Plate with Lecithin and Tween

- Used for finger-tip and surface monitoring
- Contact agar plates are pressed onto the surface or gloved fingertips, incubated, and colonies are counted
- Must ship on ice



†Additional shipping will apply to all cold shipments

Size mm	Catalog No.	Pkg of 10
15 x 60	745-10039	56.45

### EMD Millipore\* ICR/ICRplus Contact Plates

- Triple-bagged and gamma-irradiated contact plates ensure the highest level of safety for isolators and cleanrooms
- Maximum safety for sampling dry, sanitized surfaces in critical areas
- Suitable for air monitoring with Air Monitoring Systems
- A wide range of formulations are available to suit all needs
- These contact plates contain either Tryptic Soy Agar (TSA) or Sabouraud Dextrose Agar (SDA)
- These culture media are supplemented with neutralizers of a wide range of disinfectants or  $\beta$ -lactam antibiotics
- Disinfectant neutralizers include: lecithin (L), tween 80 (T), histidine (H) and sodium thiosulfate (Th)
- Data matrix barcode on each plate: Paperless and secure identification of individual plates
- Transparent,  $H_2O_2$ -impermeable triple-sleeve packaging
- CLOSED and VENT closure options of ICRplus Contact Plates (image shown)
- CLOSED position (turn the lid counter-clockwise) is recommended for aerobic incubation
- Room temperature stability
- Long shelf life
- SDA in pink plates: TSA and SDA plates easily distinguishable



#### Tryptic Soy Contact Agar + LT:

- Designed for the determination of the total microbial count on dry, sanitized surfaces and personnel in Isolators and Cleanrooms
- pH value: 7.3 ( $H_2O$ )

#### Sabouraud Dextrose Contact Agar + LTHTh:

- Designed for the determination of the total viable count of yeasts and molds on dry, sanitized surfaces and personnel in Isolators and Cleanrooms
- pH value: 5.6 ( $H_2O$ )

†Additional shipping will apply to all cold shipments

Description	Catalog No.	Pkg of 20
Tryptic Soy Contact Agar + LT - ICR	492-66253	73.25
Tryptic Soy Contact Agar + LT - ICR+	492-66268	74.85
Sabouraud Dextrose Contact Agar + LTHTh - ICR+	492-66247	76.45

**EMD Millipore\* ICR/ICRplus Settle Plates**

- ICR/ICRplus Settle Plates are produced under aseptic conditions
- Gamma-irradiated and triple bagged
- Suitable for passive air monitoring or as disposables for active air monitoring using MAS Air Samplers
- Suitable for personnel monitoring to detect microbial contamination e.g. in a 5-finger-print
- These settle plates contain either Tryptic Soy Agar (TSA) or Sabouraud Dextrose Agar (SDA)
- Agar is prepared in accordance with the recommendations of the European and U.S. Pharmacopeias
- They are available with neutralizers of a wide range of disinfectants and  $\beta$ -lactam antibiotics
- Neutralizers such as lecithin (L), tween 80 (T), histidine (H) and sodium thiosulfate (Th) are able to inactivate residues of disinfectants
- Data matrix barcode on each plate: Paperless and reliable identification of individual plates
- Transparent, H<sub>2</sub>O<sub>2</sub>-impermeable, triple-barrier packaging: Safe transportation in cleanrooms (ISO 5) and isolators
- Produced in cleanrooms and gamma-irradiated in their final packaging
- Room temperature stability
- Long shelf life
- High filling volume: Allows longer exposure and incubation periods
- SDA in pink plates: TSA and SDA plates easily distinguishable



**Tryptic Soy Agar + LT:**

- Designed for the determination of the total aerobic microbial count in air via active or passive air monitoring as well as fingerprints of personnel in Isolators and Cleanrooms
- pH value: 7.3 (H<sub>2</sub>O)

**Sabouraud Dextrose Agar + LTHTh:**

- Designed for the determination of the total count of yeasts and molds in air via active or passive air monitoring as well as fingerprints of personnel in Isolators and Cleanrooms
- pH value: 5.6 (H<sub>2</sub>O)

†Additional shipping will apply to all cold shipments

Description	Catalog No.	Pkg of 20
TSA with LT - ICR 30 mL	492-66259	85.95
TSA LT 90 mm ICR+	492-66250	92.35
SDA with LTHTh - ICR 30 mL	492-66256	106.65

**Q.I. Medical QuickTest\* System – QT1000 Contamination Tester**

- Full filtration microbial testing system for large volume parenterals including “3-in-1” TPN and emulsions
- Can be used to supplement aseptic technique testing of personnel

**Test Kit Includes:**

- 10 QuickTest\* filter units with non-vented spike and large bore connector
- 10 x 100 mL filled minibags of TSB media with spike port
- Log sheet
- Gummed labels



Catalog No.	Each
550-80833	521.90

**Q.I. Medical QuickTest\* System – QT2000 Contamination Tester**

- Full filtration microbial testing system for large volume parenterals including “3-in-1” TPN and emulsions
- Can be used to supplement aseptic technique testing of personnel
- For use with any pump set with a male luer connector

**Test Kit Includes:**

- 10 QuickTest\* filter units with luer lock connectors
- 10 x 100 mL filled minibags of TSB media with spike port
- Log sheet
- Gummed labels



Catalog No.	Each
550-80839	539.30

**Q.I. Medical QuickTest\* System – QT3000 Contamination Tester**

- Full filtration microbial testing system for large volume parenterals including “3-in-1” TPN and emulsions
- Can be used to supplement aseptic technique testing of personnel
- For use with Pinnacle Compounders (BBraun)

**System Includes:**

- 10 QuickTest\* filter units with large bore shielded male connector
- 10 x 100 mL filled minibags of TSB media with spike port
- Log sheet
- Gummed labels



Catalog No.	Each
550-80842	521.90

**Q.I. Medical QT Micro\* Systems, Female Luer Lock Inlet / Male Luer Slip Outlet**

- Full filtration microbial testing system for small volume, compounded sterile products
- Nondestructive test allows for sample to be reused after testing
- 0.22 µm contamination tester for syringe to sterile transfers

**Test Kit Includes:**

- 10 x QT Micro\* filter units with female luer lock inlet and male luer slip outlet
- 10 x 5 mL syringes of TSB or FTM growth media
- Log sheet
- Gummed labels



Growth Media	Catalog No.	Each
TSB	550-80854	220.05
FTM	550-80857	238.40

**Q.I. Medical EnviroTest\***

- For critical surface and gloved fingertip sampling
- Double sided, rectangular, Trypticase Soy Agar (TSA) media plates
- Formulated with Lecithin and Polysorbate 80 to inactivate many antimicrobial compounds
- Promotes rapid growth of common bacteria, yeast, and mold
- Neutralizes many residual biocides and cleaning agents
- Long shelf life without refrigeration
- Unique pedestal cap and hinged paddle

**Test Kit Includes:**

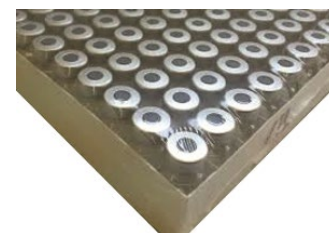
- 10 double sided agar paddles
- 10 gummed labels
- Directions for use
- Test results log



Catalog No.	Each
550-80797	101.90

### Sterile Glass Vials

- Sterile clear or amber glass
- Stopper and aluminum seal attached



Capacity (mL)	Stopper Size (mm)	Catalog No.	Qty/Pkg	Pkg	Case of 100
<b>Clear</b>					
2	13	550-10055	—	—	173.90
5	20	551-71351	25	74.95	182.35
10	20	551-71354	25	69.80	186.90
20	20	550-81334	10	59.05	—
30	20	551-71357	25	151.25	521.60
50	20	550-80395	25	190.95	658.40
100	20	550-10022	25	394.15	1379.50
<b>Amber</b>					
2	13	550-81229	—	—	431.75
5	20	550-81337	25	89.95	—
10	20	550-10076	25	84.45	307.15
30	20	550-10067	25	158.20	577.20
50	20	550-80392	25	201.30	—
100	20	550-10052	25	412.50	1500.00

### Wheaton\* Serum Tubing Vials

- Clear or amber borosilicate glass
- Use amber glass for UV light protection
- Tubular design provides clarity and dimensional consistency
- Special design adds strength for freeze-drying applications
- Lighter-weight compared to molded serum vials
- Shrink-wrapped modules reduce particulate contamination
- Autoclavable
- Vials only, purchase seals and stoppers separately



Capacity (mL)	Mouth I.D. x O.D. (mm)	Dia. x H (mm)	Catalog No.	Qty/Case	Case
<b>Clear</b>					
2	7 x 13	15 x 32	989-17470	144	72.50
3	7 x 13	17 x 38	989-17473	144	74.40
5	13 x 20	22 x 40	989-17476	144	93.15
10	13 x 20	24 x 50	989-17479	144	109.50
20	13 x 20	30.5 x 58	989-17482	120	126.30
<b>Amber</b>					
2	7 x 13	15 x 32	989-17494	144	94.50
5	13 x 20	22 x 40	989-17497	144	109.10
10	13 x 20	24 x 50	989-17500	144	133.20

### Wheaton\* Glass Serum Bottles

- Ideal for long and short term sample storage
- Fits most lyophilization applications
- Clear bottles are manufactured from Wheaton\* 400 borosilicate molded glass
- Amber bottles are manufactured from Wheaton\* 500 borosilicate glass
- Shrink-wrapped, partitioned modules reduce breakage
- Bottles only, purchase seals and stoppers separately



Capacity mL (oz)	Mouth I.D. x O.D. (mm)	Dia. x H (mm)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
<b>Clear</b>							
2 (0.07)	7 x 13	15.6 x 36	989-46272	96	59.80	288	188.60
5 (0.16)	13 x 20	23 x 47	989-46275	96	63.60	288	200.60
10 (0.34)	13 x 20	25 x 54	989-46278	96	89.00	288	280.75
20 (0.67)	13 x 20	32 x 58	989-46281	96	104.40	288	342.90
30 (1.0)	13 x 20	37 x 63	989-46284	96	128.55	288	422.35
50 (1.7)	13 x 20	43 x 73	989-46287	96	161.30	288	529.95
60 (2.0)	13 x 20	41 x 91	989-46293	48	93.75	144	295.70
100 (3.4)	13 x 20	52 x 95	989-46290	48	124.65	144	407.60
125 (4.2)	13 x 20	54 x 107	989-46260	48	174.50	144	562.45
<b>Amber</b>							
5 (0.16)	13 x 20	23 x 47	989-46263	96	109.80	288	360.80
10 (0.34)	13 x 20	25 x 54	989-17536	96	124.10	288	399.90
20 (0.67)	13 x 20	32 x 58	989-46266	96	137.90	288	453.10
30 (1.0)	13 x 20	37 x 63	989-17542	96	172.05	288	554.40
50 (1.7)	13 x 20	43 x 73	929-10019	72	161.35	288	680.15
100 (3.4)	13 x 20	52 x 95	989-46257	48	163.60	144	527.10

### Wheaton\* Unlined Center Disc Tear-Out Aluminum Seals

- The center disc tears out, exposing the top of a stopper (not included)
- For vials with a 13 or 20 mm O.D.
- Available in natural, blue, red, and green aluminum



Color	Catalog No.	Pkg of 100	Case of 1000
<b>13 mm</b>			
Blue	849-46297	22.00	120.70
Green	849-46303	22.25	119.60
Natural	849-17764	28.90	95.15
Red	849-46300	22.00	120.70
<b>20 mm</b>			
Blue	849-17779	21.80	116.25
Green	849-17785	21.80	116.25
Natural	849-17776	31.15	102.55
Red	849-17782	21.80	116.25

To Order – Call 800.772.8786

### Wheaton\* Unlined Open Top Aluminum Seals

- Open top seals expose stopper (not included) for sample retrieval with a syringe
- For vials with a 13 or 20 mm O.D.
- Available in natural, blue, red, and green aluminum



Color	Catalog No.	Case of 1000
<b>13 mm</b>		
Blue	849-17743	141.05
Natural	159-12054	122.10
Red	849-17746	141.05
<b>20 mm</b>		
Blue	849-17755	131.20
Green	849-17761	131.20
Natural	159-12057	102.55
Red	849-17758	131.20

### Wheaton\* Flip-Cap Unlined Aluminum Seals

- Easy-to-use, autoclavable, and tamper-evident
- The plastic top flips off easily with pressure from the thumb, exposing the aluminum seal with a center hole and pull ring
- Available in red only



Size (mm)	Catalog No.	Pkg of 100	Case of 1000
13	849-17848	32.35	173.45
20	849-17851	29.80	255.90

### Wheaton\* Ultra Pure Lyophilization Stoppers

- Manufactured from an ultra pure bromobutyl formulation with extremely high chemical purity and low gas permeability
- Free of latex, nitrosamines, and 2-MCBT (2-mercaptobenzothiazole)
- Demonstrates a very low level of moisture adsorption
- Very low adsorption of the preservatives present in aqueous parenteral solutions
- Autoclavable



Style	For Mouth I.D. x O.D. (mm)	Catalog No.	Pkg of 100	Case of 1000
2-Leg	13 x 20	159-45868	39.90	364.45
3-Leg	13 x 20	159-45871	39.90	364.45

### Wheaton\* Lyophilization Rubber Stoppers

- All-purpose design for lyophilization applications reduces the possibility of legs sticking to each other
- Manufactured from gray chlorobutyl to yield exceptional dimensional stability
- Autoclavable
- This stopper can be used with open top caps or closed top caps
- Not recommended for use with crimp top caps



Style	For Mouth I.D. x O.D. (mm)	Catalog No.	Pkg of 100	Case of 1000
2-leg	7 x 13	989-17608	31.70	170.75
2-leg	13 x 20	849-46261	28.70	252.05
3-leg	13 x 20	989-17662	41.90	225.65

### Wheaton\* Straight Plug Stoppers

- Provides maximum sealing for vials with a straight-wall glass finish
- Manufactured from the highest quality raw materials
- Manufactured to yield exceptional dimensional stability
- Autoclavable



For Mouth I.D. x O.D. (mm)	Catalog No.	Pkg of 100	Case of 1000
<b>Natural Red Rubber</b>			
7 x 13	849-46264	27.70	150.75
13 x 20	989-46296	38.25	203.85
<b>Natural Pink Rubber</b>			
13 x 20	849-46276	29.10	253.10
<b>Gray Chlorobutyl-Isoprene Blend, PTFE Faced</b>			
7 x 13	849-46270	78.15	807.90
13 x 20	849-46282	102.00	1054.80
<b>Gray Chlorobutyl</b>			
13 x 20	629-10018	—	257.25
<b>Gray Chlorobutyl-Isoprene Blend</b>			
13 x 20	849-46279	34.00	295.65
<b>Black FKM</b>			
13 x 20	849-46294	427.40	—
<b>Silicone</b>			
13 x 20	849-46285	60.90	629.80

### Wheaton\* Gray Butyl Snap-On Stoppers

- Provides maximum sealing for vials with a blow-back glass finish
- Manufactured from high quality gray chlorobutyl
- Components manufactured to yield exceptional dimensional stability
- Autoclavable



For Mouth I.D. x O.D. (mm)	Catalog No.	Pkg of 100	Case of 1000
7 x 13	849-17602	33.35	179.45
13 x 20	849-17647	30.45	262.30

**Wheaton\* Red Rubber Snap-On Stoppers**

- Provides maximum sealing for vials with a blow-back glass finish
- Manufactured from the highest quality raw materials to yield exceptional dimensional stability
- Made from autoclavable natural red rubber



For Mouth I.D. x O.D (mm)	Catalog No.	Case of 1000
7 x 13	989-17599	165.55
13 x 20	849-17644	266.30

**Covidien\* Large Volume Sharps Containers**

- Adjustable sliding or hinged lids
- Accommodates large sharps
- Lids can provide temporary closure when container is not in use to reduce exposure to contents
- Containers lock for final disposal



Capacity (gal.)	Catalog No.	Each	Qty/Case	Case
<b>Sliding Lid</b>				
8	220-10010	40.45	10	294.05
12	220-10013	49.90	10	362.90
18	220-10016	52.20	5	241.95
<b>Hinged Lid</b>				
8	220-10019	54.50	10	393.60
12	220-10022	38.10	10	330.40
18	220-10025	66.55	5	290.10

**GatorGuard\* Sharps Containers**

- Tumbler design, capacity indicator, and lift tabs to assist deposit
- Clear lid with large horizontal opening accommodates larger syringes and maximizes container volume
- Allows one-hand, one-step, no-touch sharps depositing
- Anti-spill inner flap on the lid impedes hand entry
- Container base has hand grips for easy transport
- Containers lock for final disposal
- Plastics and pigments are safe to autoclave or incinerate
- Containers can be placed on countertops or mounted on a wall
- All containers meet or exceed JCAHO, OSHA, and NIOSH/CDC standards and requirements



Capacity (gal.)	Catalog No.	Each	Qty/Case	Case
1.2	910-10055	19.35	14	118.35
2	910-10052	18.10	12	172.35
3	910-10058	25.35	12	160.95

**RCRA Hazardous Waste Containers**

- Designed to segregate hazardous waste under the Resource Conservation and Recovery Act (RCRA)
- Black with white lids make these easily distinguishable from other disposal containers
- Each features a leak resistant gasket and absorbent pad to help contain liquid contents, should a primary container break
- Includes "Flammable" and "Toxic" label as well as tamper evident tape



Size	Dimensions W x D x H (in.)	Catalog No.	Each
1 1/2 qt.	3 1/2 x 3 1/2 x 10	223-10031	10.50
5 qt.	13 x 6 x 14	223-10034	14.40
2 gal.	10 3/8 x 7 x 10	223-10037	18.35
8 gal.	15 1/2 x 11 x 17 3/4	223-10022	52.95
12 gal.	18 1/4 x 12 3/4 x 18 3/4	223-10025	60.60
18 gal.	18 1/4 x 12 3/4 x 26	223-10028	93.00

**MedSmart\* RCRA Disposal Containers**

- Durable, disposable, lidded waste containers segregate solid hazardous waste under the Resource Conservation and Recovery Act (RCRA) for safe, sterile disposal
- Hanging lid system for improved container access
- Easily dispose of large volumes while keeping lid connected to the container
- Puncture-resistant receptacles prevent protrusions from sharps, needles and other potential hazards that can put staff at risk for infection
- 16-point positive locking lid system offers audible clicks to confirm the lid is locked
- Tamper-proof container prevents unauthorized access when sealed
- Shock-resistant at both high and low temperatures
- Integrated side handles make the containers easy to carry
- Hermetic permanent leak-proof seal keeps contents secure and eliminates the risk for spills during transport
- Glue bead technology permanently adheres the lid to the container and is superior to traditional rubber gaskets on other PG-II containers
- Environmentally friendly and leaves no toxic or harmful gas emissions and leaves water as the primary by-product of incineration



Capacity (gal.)	Dimensions W x H x D (in.)	Catalog No.	Each
8	17 5/16 x 13 1/2 x 13	223-10007	37.50
12	17 5/16 x 20 13/16 x 13	223-10010	49.10
18	17 5/16 x 24 5/8 x 13	223-10013	54.30

**Micronova\* PolySorb MittWipe - Foam Interior**

- Designed for clean and controlled environments
- 100% polyester with a waffle weave for increased absorbency
- Compatible with strong disinfectants
- Manufactured in a ISO 9001:2008 facility
- Autoclavable
- 12 in. (tip to cuff)
- Lot numbers printed on each outer bag and each case
- Offers the versatility of a high quality wipe with the security of a glove
- Designed to fit comfortably over the a gloved hand making it easier to clean around carts, shelving, tanks, tubing and other hard to clean areas
- More confidence and dexterity in cleaning procedures as the mitt is virtually attached to the operator's hand
- Can also be used as a protective layer over standard gloves



Catalog No.	Each
121-86195	33.15

**Contec\* SterileSorb\* Sterile Polyester/Cellulose Wipes**

- Made from strong and durable non-woven hydroentangled polyester/cellulose fabric
- Low levels of particles and extractables
- Validated sterile to SAL 10<sup>-6</sup>
- Packaged 25 wipes per inner bag to preserve sterility and minimize waste
- Use in ISO Class 5 environments, including laminar flow hoods, biological safety cabinets, and other PECs
- Meets requirements for both non-shedding particle generation and sterility
- Excellent for wiping and absorbing spills



Wipe Size (in.)	Catalog No.	Qty/Case	Case
9 x 9	121-86237	1500	475.85
12 x 12	121-86273	1050	508.60

**Contec\* Sterile Polynit Heatseal Wipes**

- Processed in an ISO Class 4 cleanroom laundry, then sterilized by gamma radiation
- Validated sterile to SAL 10<sup>-6</sup>
- Heat sealed edges prevent the release of particles and fibers
- Double bagged with an embossed lot number on both inner and outer bags for lot traceability
- Ultra clean, low-shedding polyester wipes
- Use for dry wiping and spill control wherever low-shedding wipes are recommended
- Compatible with sterile alcohol
- Wipe size: 9 x 9 in.



Catalog No.	Case of 1000
121-86276	906.65

**Contec\* SANOTEX Environmental Surface Wipes**

- Effective, easy to use, economical alternative to spray bottle or cloth paired with open bucket disinfecting and cleaning systems
- Helps reduce risk and simplify the process – saving time and money while bringing greater control to your cleaning and disinfecting programs
- The hybrid fabric combines ultrafine meltblown fibers for maximum removal of particles with a core of stronger spunbond fibers to give the wipe superior strength
- It is 100% synthetic and works effectively with hydrogen peroxide/ peroxyacetic acid disinfectant cleaning solutions, such as PeridoxRTU\* and diluted Peridox\* Concentrate (sold separately; see cleaners), as well as quaternary ammonium disinfectants
- This fabric absorbs and releases solutions more efficiently
- Once the Sanotex wipes have been saturated, internal testing has shown chemical stability for an average of 5-15 days† depending on the chemistry's composition
- The spring-loaded canister (Cat. No. 121- 86384) keeps wipes wet, minimizing waste and vaporization
- The resealable MagBag (Cat. No. 121-86504) can contain used wipes for later disposal, thereby eliminating potential harbor points for microbial contamination



†All chemistries used on the wipes need to be checked periodically, with proper indicator strips (Cat. No. 121-86507), after the initial 5 days of saturation to ensure chemical effectiveness.

Wipe Size	Wipes per Roll	Catalog No.	Each	Qty/Case	Case
<b>Wipe Roll</b>					
6 x 8	150	121-86378	—	6	58.35
10 x 12	40	121-86375	—	8	58.35
10 x 12	60	121-86381	—	6	58.35
<b>Dispensing Canister</b>					
—	—	121-86384	—	6	54.15
<b>MagBag Dispenser</b>					
—	—	121-86504	38.75	10	281.80
<b>Peridox PAA Test Strips</b>					
—	—	121-86507	114.65	—	—

### Berkshire\* Gamma Wipe\* VP Sterile Knitted Polyester Cleanroom Wipes

- 100% continuous filament polyester knit
- Ultrasonically sealed edge for reduced fiber contamination
- Lightweight, tightly knit material design minimizes abrasion of components
- Laundered and packaged in an ISO Class 4 cleanroom with Lot Number on each pack
- Gamma irradiated and sterile validated to SAL 10<sup>-6</sup>
- Linear tear packaging
- Certificate of Sterility included with each case
- Meets cGMP requirements for traceability
- Critically low particles, fibers, ions, and extractables
- Chemically compatible with common cleaning and disinfecting solutions including isopropyl alcohol, phenols, bleaches, and quarternary ammonium compounds
- Complies with RoHS and REACH requirements
- Designed for use in ISO Class 3 and higher sterile environments where microbial exclusion is demanded
- Used for cleaning sterile surfaces and equipment during aseptic processing
- Excellent for cleaning sterile laminar air flow units, barrier isolators, and bio-containment units



Size (in.)	Catalog No.	Qty/Case	Case
9 x 9	<b>128-29764</b>	800	<b>510.85</b>
12 x 12	<b>128-29767</b>	500	<b>463.55</b>

### Berkshire\* Gamma Wipe\* 67 Sterile Non-woven Polyester/Cellulose Blend Cleanroom Wipes

- 55% cellulose / 45% polyester hydroentangled non-woven
- Smooth, highly absorbent and durable with low extractable levels
- No binders or chemical additives
- Gamma irradiated and sterile validated to SAL 10<sup>-6</sup>
- Header style packaging with Package Integrity testing
- Lot number on each pack
- Certificate of Sterility included with each case
- Meets cGMP requirements for traceability
- Excellent combination of the synthetic polyester strength and cleanliness with the absorbent characteristics of cellulose
- Chemically compatible with common cleaning and disinfecting solutions including isopropyl alcohol, phenols, bleaches, and quarternary ammonium compounds
- Designed for use in ISO Class 5 and higher sterile environments
- Used for cleaning sterile surfaces and equipment during aseptic processing, general wiping in prep and wash areas, and for wipedowns in sterile gowning rooms



Size (in.)	Packaging	Catalog No.	Qty/Case	Case
9 x 9	20 sheets/pack, 80 packs/case	<b>128-29491</b>	1600	<b>438.95</b>
12 x 12	20 sheets/pack, 25 packs/case	<b>128-29494</b>	500	<b>295.90</b>
12 x 12	5 sheets/pack, 60 packs/case	<b>128-29497</b>	300	<b>318.25</b>

### Berkshire\* Gamma Wipe\* 120 Sterile Knitted Polyester Cleanroom Wipes

- Composed of 100% continuous filament polyester knit fabric
- High level of cleanliness, abrasion resistance, and chemical compatibility
- Absorbs three times its own weight and is durable for abrasive wiping
- Knife cut edge
- Laundered and packaged in an ISO Class 4 cleanroom
- Lot Number on each pack
- Gamma irradiated and sterile validated to SAL 10<sup>-6</sup>
- Header style packaging with Package Integrity testing
- Certificate of Sterility included with each case
- Meets cGMP requirements for traceability
- Low particles, fibers, ions, and extractables
- Soft hand and edge for sensitive surfaces
- Chemically compatible with common cleaning and disinfecting solutions including isopropyl alcohol, phenols, bleaches, and quarternary ammonium compounds
- Passes LAL test for endotoxins <20 EU/device
- Designed for use in ISO Class 4 and higher sterile environments where microbial exclusion is demanded



Size (in.)	Catalog No.	Qty/Case	Case
9 x 9	<b>128-29761</b>	800	<b>507.10</b>
12 x 12	<b>128-29485</b>	300	<b>372.60</b>

**Texwipe\* SterileWipe\* HS II Sterile Dry Wipes**

- Hydroentangled, binder-free, non-woven 55% cellulose and 45% polyester blend
- Gamma irradiated to SAL 10<sup>-6</sup>
- Assures microbiological control in aseptic environments
- High adsorbency and strength
- Low solvent extractable levels
- Withstands exposure to common cleaning and disinfecting solutions
- Packaging permits alcohol wipedown of exterior bag before introduction of the inner bag into sterile suites
- Assures quality of individual lots and lot-to-lot traceability
- Wipe size: 12 x 12 in.



Catalog No.	Pkg of 100	Case of 500
551-82806	80.65	351.90

**Texwipe\* SterileWipe\* LP Sterile Dry Wipes**

- 100% continuous-filament, cleanroom laundered polyester knit
- Gamma irradiated to SAL 10<sup>-6</sup>
- Independent quality control audits for sterility assurance
- Withstands exposure to common cleaning and disinfecting solutions
- Packaging permits alcohol wipedown of exterior bag before introduction of the inner bag into sterile suites
- Superior strength allows for rigorous wiping with minimal release of fibers and particles
- Assures quality of individual lots and lot-to-lot traceability
- Developed for cleaning critical environments without compromising the sterile nature



Size (in.)	Catalog No.	Pkg of 100	Case of 500
9 x 9	551-82809	113.70	496.35
12 x 12	127-10030	180.20	776.65

**TrueCare\* Sterile Lint-Free Wipes**

- Composed of a 55% / 45% cellulose blend
- Weighted 65 g/m<sup>2</sup>
- Available in two sizes: 9 x 9 in. (20 mL maximum absorbency) and 12 x 12 in. (25 mL maximum absorbency)



Size (in.)	Packaging	Catalog No.	Qty/Case	Case
9 x 9	300 wipes per pack, 12 packs per case	551-83361	3600	209.45
9 x 9	20 wipes per bag, 15 bags per bundle, 12 bundles per case	551-83358	3600	235.45
12 x 12	150 wipes per pack, 8 packs per case	551-83367	1200	145.60
12 x 12	20 wipes per bag, 8 bags per bundle, 8 bundles per case	551-83364	1280	170.20

**Texwipe\* AlphaWipe\* Dry Wipes**

- 100% continuous-filament polyester
- Double-knit, no-run interlock pattern
- Cleanroom laundered and packaged
- Solvent-safe packaging
- Lot-to-lot traceability
- Laundered cut edges
- Ultra low levels of particles and extractables
- Prevents cleanroom contamination
- Resists abrasion with rigorous use or on rough surfaces
- Excellent chemical resistance
- Autoclavable
- Suitable for ISO Class 4 - 5 critical environments and for ISO Class 6 - 9 clean environments



Size (in.)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
4 x 4	511-60725	300	78.40	6000	1254.85
9 x 9	511-60728	150	68.15	1500	563.80
11 x 12	551-82770	250	194.95	1500	974.70
12 x 12	551-82782	75	80.55	750	666.45

**ISO-MED Dry Wipes**

- Non-woven polycellulose blend
- 50% polyester and 50% cellulose
- ISO Class 5 compatible



Sterility	Wipe Size (in.)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
Sterile	9 x 9	127-10057	300	38.25	3000	278.15
Non-sterile	9 x 9	127-10048	300	30.90	3000	280.95
Non-sterile	12 x 12	127-10051	150	27.60	1500	200.65

**Texwipe\* BlueWipe\* General Purpose Wipes**

- Non-woven blend of 55% cellulose and 45% polyester
- Absorbent and durable
- Blue tint indicates exposure to liquid
- Prevents product and cleanroom contamination with low levels of particles and extractables
- Provides an abrasion-free surface for inspection of transparent surfaces
- Lot-to-lot traceability
- Ideal for ISO Class 6 - 7 environments
- Convenient C-fold packaging
- Double bagged for extra contamination control
- Wipe size: 12 x 12 in.



Catalog No.	Case of 500
511-60803	216.55

**Kimberly-Clark\* KIMTECH PURE\* W4 Critical Task Wipers**

- 100% polypropylene construction
- Thermally bonded with no glues or binders
- Straight, clean, knife-cut edges minimize lint
- Acid, base, and solvent-resistant
- Double bagged with case liner
- Recommended for ISO Class 4 or higher cleanroom environments
- Meets the U.S. FDA requirements for food packaging materials
- Wipe size: 12 x 12 in.



Catalog No.	Pkg of 100	Case of 500
121-86072	35.75	142.85

To Order – Call 800.772.8786

**Kimberly-Clark\* KIMTECH  
PREP\* KIMTEX\* Wipes**

- Blue, low-lint towels in a quarter fold format
- Designed for wiping tasks where low lint or use of chemicals are required
- Engineered for critical applications
- Acid, base, and solvent resistant
- Perfect for use with lubricants, oils, and grease
- Polypropylene construction
- Wipe size: 12½ x 12 in.



Catalog No.	Pkg of 66	Case of 528
125-10014	17.05	106.10

**Kimberly-Clark\* KIMTECH  
SCIENCE\* Kimwipes\*  
Delicate Task Wipes**

- Single-ply, light-duty wipes
- Easily wipes up liquid and dust
- Anti-static dispensing reduces lint and electrostatic discharge
- POP-UP\* box provides one-at-a-time dispensing which controls usage
- Portability reduces waste



Wipe Size (in.)	Catalog No.	Qty/Box	Box	Qty/Case	Case
4.4 x 8.4	120-35221	280	9.75	16800	190.55
11.8 x 11.8	120-83666	196	17.95	2940	82.50
14.7 x 16.6	120-35245	140	20.75	2100	124.95

**Small Tissue Box  
Dispenser**

- ⅛ in. clear, clean acrylic
- Mounts easily to wall with screws and wall anchors provided
- Flame treated edges for smoothness
- Acrylic is strong and scratch resistant and can be cleaned with a plastic cleaner, hydrogen peroxide, bleach, or mild detergent and water†
- Packaged in a poly bag; 10 per case
- Dimensions (W x H x D): 5 x 5 x 3¼ in.
- Holds small Kimwipes\* (Cat. No. 120-35221)



†Do not use IPA or harsh chemicals to clean acrylic, these may cause cracking or crazing

Catalog No.	Each	Case of 10
603-11756	46.85	340.85

**Large Tissue Box Dispenser**

- ⅛ in. clear, clean acrylic
- Mounts easily to wall with screws and wall anchors provided
- Flame treated edges for smoothness
- Acrylic is strong and scratch resistant and can be cleaned with a plastic cleaner, hydrogen peroxide, bleach, or mild detergent and water†
- Packaged in a poly bag; 5 per case
- Dimensions (W x H x D): 15 x 5¼ x 3¾ in.
- Holds large Kimwipes\* (Cat. No. 120-35245)



†Do not use IPA or harsh chemicals to clean acrylic, these may cause cracking or crazing

Catalog No.	Each	Case of 5
603-11759	63.10	275.25

**Berkshire\* Sterile SatPax\*  
MicroSeal\* 1200  
Pre-saturated Wipes**

- 100% continuous filament polyester knit
- Ultrasonically sealed edge for reduced fiber contamination
- Laundered and packaged in an ISO Class 4 cleanroom
- Pre-wetted with consistent 70% IPA/30% WFI (Water for Injection) to a high saturation level
- Re-sealable solvent resistant packaging
- Triple packaged for easy entry into sterile environments
- Gamma irradiated and sterile validated to SAL 10<sup>-6</sup>
- Certificate of Sterility included with each case
- Critically low fibers, particles, ions, and extractables combined with high abrasion resistance
- WFI (Water for Injection) solution for critical applications requiring WFI
- Reduces alcohol usage and preparation / handling costs
- Increases cleaning efficiency and protocol consistency
- Reduces VOC (Volatile Organic Compound) emissions
- Complies with RoHS and pre-registered under REACH
- Designed for use in ISO Class 3 and higher sterile cleanroom environments
- Used for wet cleaning of critical surfaces where control of flammable solvents and flammable solvent concentrations are required
- Final cleaning of surfaces or products prior to manufacturing or packaging
- 60% saturation level is ideal for removing cleaning and disinfecting residues in sterile environments
- Wipe size: 12 x 12 in.



Catalog No.	Case of 250
128-29707	528.25

**Berkshire\* Sterile SatPax\*  
1000 Pre-saturated 70%  
IPA Cleanroom Wipes**

- Non-woven 55% cellulose / 45% polyester wipes with knife cut edge
- No chemical binders in base material
- Pre-wetted with consistent 70% IPA/ 30% DI Water to a high saturation level
- Re-sealable solvent resistant packaging
- Wipes in C-folded configuration for single withdrawal
- Gamma irradiated and sterile validated to SAL 10<sup>-6</sup>
- Certificate of Sterility included with each case
- Meets cGMP requirements for traceability
- Low extractables and fiber / particle counts
- Smooth and durable with good wet strength
- Reduces alcohol usage and preparation / handling costs
- Increases cleaning efficiency and consistency
- Reduces VOC (Volatile Organic Compound) emissions
- Complies with RoHS and pre-registered under REACH
- For use in ISO Class 5 and higher sterile cleanroom environments
- Designed for use in wet cleaning of critical surfaces where control of flammable solvents and flammable solvent concentrations are required
- 60% saturation level is ideal for removing cleaning and disinfecting residues in sterile environments
- Wipe size: 9 x 9 in.



Catalog No.	Case of 720
128-29689	414.25

**Berkshire\* Sterile SatPax\*  
550 Pre-saturated 70% IPA  
Cleanroom Wipes**

- Lightweight 100% meltblown polypropylene wipes with knife cut edge
- No chemical binders in base material
- Pre-wetted with consistent 70% IPA / 30% DI Water
- Re-sealable solvent resistant packaging
- Wipes in C-folded configuration for single withdrawal
- Gamma irradiated and sterile validated to SAL 10<sup>-6</sup>
- Certificate of Sterility included with each case
- Meets cGMP requirements for traceability
- Very low extractables and ions
- Very low particle and fiber counts
- Reduces alcohol usage and preparation / handling costs
- Increases cleaning efficiency and protocol consistency
- Reduces VOC (Volatile Organic Compound) emissions
- Complies with RoHS and pre-registered under REACH
- For use in ISO Class 5 and higher sterile cleanroom environments
- Designed for use in wet cleaning of critical surfaces where control of flammable solvents and flammable solvent concentrations are required



Size (in.)	Saturation	Catalog No.	Case of 1200
7 x 11	62%	128-29698	447.50
9 x 11	65%	128-29695	486.40

**Contec\* Sterile PROSAT\*  
Pre-saturated Knitted  
Polyester Cleanroom  
Wipes**

- PROSAT\* sterile wipes are made of ultra clean meltblown polypropylene fabric
- Saturated with 70% isopropyl alcohol / 30% DI water
- Sterilized by Gamma radiation to SAL 10<sup>-6</sup>
- Assured sterility of both the wipe and solution eliminates the risk of introducing spores and other contaminants to the compounding process
- Tamper-evident labels ensure product integrity, while resealable pouches preserve solvent saturation levels and cleanliness
- Convenient and safe to use, these wipes offer more control over cleaning procedures and reduce VOC emissions
- Compact pouch easily fits into isolators and biosafety cabinets
- Ideal for gloves and surfaces, and routine application of sterile 70% IPA
- Made in the USA in an ISO 9001:2001 registered manufacturing facility
- Wipe size: 9 x 9 in.



Catalog No.	Case of 800
121-86252	841.65

**Contec\* Sterile PROSAT\*  
Pre-saturated Meltblown  
Polypropylene Cleanroom  
Wipes**

- Made of ultra clean meltblown polypropylene fabric
- Saturated with 70% isopropyl alcohol / 30% DI water
- Sterilized by Gamma radiation to SAL 10<sup>-6</sup>
- Assured sterility of both the wipe and solution eliminates the risk of introducing spores and other contaminants to the compounding process
- Tamper-evident labels ensure product integrity, while resealable pouches preserve solvent saturation levels and cleanliness
- Convenient and safe to use these wipes offer more control over cleaning procedures and reduce VOC emissions
- Compact pouch easily fits into isolators and biosafety cabinets
- Ideal for gloves and surfaces, and routine application of sterile 70% IPA
- Made in the USA in an ISO 9001:2001 registered manufacturing facility
- Wipe size: 9 x 11 in.



Catalog No.	Qty/Case	Case
121-86249	360	232.75

To Order – Call 800.772.8786

**Texwipe\* Sterile AlphaSat\*  
10 Pre-saturated Wipes**

- Pre-saturated with 0.2 µm filtered, 70% USP isopropyl alcohol (IPA)
- Cleanroom laundered, 100% continuous filament polyester wipe with thermally sealed borders
- Extremely low levels of releasable visible fibers for critical and sterile environments
- Designed to clean ISO Class 3 - 5 cleanroom environments including the interiors of Compounding Aseptic Isolators (CAIs) and Biological Safety Cabinets (BSCs)
- Small, resealable flexpack package
- Double-bagged for easy introduction to aseptic or sterile environments
- Lot-to-lot traceability
- Gamma irradiated to SAL 10<sup>-6</sup>
- Wipe size: 9 x 9 in.



Catalog No.	Pkg of 20	Case of 400
551-82821	50.20	692.35

**Texwipe\* Sterile  
TechniSat\* 70% IPA  
Pre-saturated Wipes**

- Constructed from a binder-free, hydroentangled, polyester/cellulose blend
- Pre-saturated with 70% isopropyl alcohol (IPA) and 30% deionized water, 0.2 µm filtered
- Gamma irradiated to SAL 10<sup>-6</sup>
- Used for alcohol wiping in sterile environments, sterile suites, and prep rooms
- Independent quality control audits for sterility assurance
- Offers low levels of solvent extractables and particle generation
- Flexpack packaging permits alcohol wipedown of exterior bag before introduction into cleanroom environments
- Wipe size: 9 x 11 in.



Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
127-10042	20	38.85	480	642.85
551-82812	50	39.90	1200	659.55

**ISO-MED Plus Sterile  
Pre-saturated Wipes**

- Pre-saturated with 70% isopropyl alcohol (IPA) and 30% water for injection (WFI)
- 45% polyester and 55% cellulose
- Low endotoxin
- Wipe size: 9 x 9 in.
- 30 wipes/pack; 24 packs/case



Catalog No.	Pkg of 30	Case of 720
127-10060	34.65	377.45

**TrueCare\* Sterile Isopropyl  
Alcohol Lint-Free Wipes**

- Gamma sterilized
- Lint-free
- Saturated with 70% isopropyl alcohol
- 55% / 45% cellulose blend
- Weighted 65 g/m<sup>2</sup>
- Double bagged for added protection
- Wipe size: 9 x 9 in.
- 30 wipes per zip pack; 24 packs per case



Catalog No.	Pkg of 30	Case of 720
551-83259	21.00	229.45

**Texwipe\* AlphaSat\*  
Pre-saturated Wipes**

- Pre-saturated with 70% isopropyl alcohol (IPA) and 30% deionized water
- 100% continuous-filament polyester in a double-knit, no-run interlock pattern
- Laundered cut edges
- Cleanroom laundered and packaged
- Ultraclean and highly sorbent wipe
- Exhibits low particle and fiber levels
- Lot-to-lot traceability
- Excellent chemical resistance
- Solvent-safe packaging
- Suitable for ISO Class 4 - 5 critical environments and ISO Class 6 - 9 clean environments



Size (in.)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
4 x 4	551-82785	200	102.45	800	357.55
6 x 6	551-82788	75	60.75	900	603.95
9 x 9	551-82791	50	88.55	200	308.95

**Texwipe\* PolySat\*  
70% IPA Pre-saturated  
Polypropylene Wipes**

- Soft, 100% melt-blown polypropylene substrate
- Pre-saturated with 0.2 µm filtered 70% isopropyl alcohol and 30% deionized water solution
- Packaged in a resealable flexpack made from SolventSafe\* plastic that can be wiped down prior to introduction into cleanroom
- Eliminates problems associated with purchasing, storing, filtering, diluting, and mixing alcohol
- Offers portion and VOC control with optimally wetted wipes
- Low particle generation and low levels of solvent extractables
- Wipe size: 9 x 11 in.



Catalog No.	Pkg of 50	Case of 1200
511-60707	29.25	483.85

**ISO-MED ISOpure  
Pre-saturated Wipes**

- 70% IPA / 30% DI water
- 100% melt-blown polypropylene
- Wipe size: 9 x 11 in.
- 50 wipes per pack; 24 packs per case



Catalog No.	Pkg of 50	Case of 1200
127-10054	37.45	408.20

**Pharma-Choice\* Pharma-Sat Canister\*  
Pre-saturated Wipes**

- Non-sterile wipes
- Non-woven, 45% polyester / 55% cellulose blend
- Pre-saturated with 70% IPA / 30% DI water
- Can be used throughout your cleanroom for cleaning, disinfecting, spill control, and wipe down of products
- Wipe size: 6 x 8 1/2 in.
- 100 wipes/canister; 12 canisters/case



Catalog No.	Pkg of 100	Case of 12
125-10083	57.90	575.00

**Clorox Healthcare\* Quat Alcohol  
Cleaner Disinfectant Wipes**

- Two-minute kill claims on most prevalent HAI-causing bacteria
- Effective against Norovirus (Murine Norovirus Strain MNV-G)
- Uses fewer wipes to keep a surface wet for the required contact time
- Appropriate for everyday use on a broad range of surfaces and equipment
- 100 wipes/canister; 12 canisters/case



Catalog No.	Case of 12
121-86099	112.25

**Contec\* Sporicidin Wipes**

- Intermediate level disinfectant with broad spectrum kill claims which cleans, disinfects, and deodorizes
- Provides 100% kill of pathogenic vegetative organisms, including MRSA, VRE and Pandemic 2009 H1N1 Influenza A Virus (and H9N2), and offers continuous residual activity up to 6 months
- Compatible with plastics, wood, glass and metals
- Alcohol-free, non-staining, non-abrasive, and non-corrosive
- EPA and FDA registered; OSHA compliant
- With ratings in the lowest EPA toxicity category, Sporicidin has the most neutral pH of any phenolic based disinfectant
- Use for disinfecting hard surfaces in ISO Class 8 anterooms



Wipe Size (in.)	Packaging	Catalog No.	Each	Qty/Case	Case
5 x 8	Pouches	121-86369	31.30	12	188.00
12 1/2 x 9 1/2	Canister	121-86372	48.20	6	210.20

**Clorox Healthcare\* Bleach  
Germicidal Wipes**

- Tested for surface safety on common surfaces and equipment
- Anticorrosion agent ensures compatibility with hospital-grade surfaces
- EPA-registered to kill *C. difficile* spores in 3 minutes
- Wipes are made with a gentle, odor-masking formula
- Supported by clinical studies to reduce transmission of *C. difficile* spores
- Meets CDC, SHEA and APIC guideline recommendations for killing *C. difficile* spores
- 30 second kill times on 30 bacteria
- 30 seconds to 1 minute on 14 viruses
- 1 minute on norovirus
- 3 minutes on *C. difficile* spores, TB, and fungi



Size (in.)	Packaging	Catalog No.	Qty/Case	Case
6 x 5	Canister	121-86117	6	114.65
6 3/4 x 9	Canister	121-86108	6	107.35
12 x 12	Canister	121-86111	2	105.80
12 x 12	Refill Bag	121-86114	2	101.50

**Contec\* PREempt\* One-Step  
Disinfectant Cleaner Wipes**

- Designed to have exceptional cleaning performance, germicidal efficiency, health & safety and environmental sustainability
- Ensures user, protocol and product compliance with fast contact times and broad-spectrum efficacy
- Made with AHP\*, a patented synergistic blend of commonly used ingredients that when combined with low levels of hydrogen peroxide, dramatically increase its germicidal potency and cleaning performance
- Ideal for cleaning and disinfecting environmental surfaces in cleanrooms and other hard, non-porous environmental surfaces
- Made of non-woven, meltblown polypropylene material for even surface coverage and increased efficiency of AHP\* for fine particle removal
- 160 wipes/canister; 12 canisters/case



**Kill Claims:**

- Virucidal: 1 minute
- Bactericidal: 1 minute
- Fungicidal: 10 minutes
- Tuberculocidal: 5 minutes
- Broad-spectrum non-food sanitizing: 30 seconds

Catalog No.	Each	Case of 12
121-86231	31.25	272.75

**PDI\* Super Sani-Cloth\* Germicidal Disposable Wipes**

- Fast contact time allows for a quick room turnover
- Ideal for daily use in fast-paced environments that require short contact times and broad coverage of microorganisms
- EPA-registered intermediate level disinfectant
- Pre-moistened wipes are ready-to-use
- Cleans and disinfects in one step
- Bactericidal, tuberculocidal, and virucidal
- Compatible with a broad range of surfaces and equipment
- Meets CDC, OSHA, AHE and CMS Tag F441 guidelines
- Thick, strong wipe material has high fluid capacity and is more pliable to get into crevices and difficult corners of equipment
- Deep well lid provides ample space to store and access next wipe
- Prominent contact time for easy identification and improved compliance with accreditation standards
- Categorization of pathogens allows for quick identification of relevant efficacy claims
- Icon clearly communicates key safety information on both label and lid
- May be used on hard non-porous surfaces
- Available in multiple sizes and formats to meet the various needs of your facility



Wipe Size (in.)	Packaging	Catalog No.	Qty/Pkg	Pkg
6 x 6 <sup>3</sup> / <sub>4</sub>	Canister	120-97453	160	27.70
7 <sup>1</sup> / <sub>2</sub> x 15	Canister	120-97456	65	33.30
5 x 8	Individual Packets	120-97459	50	32.20
11 <sup>1</sup> / <sub>2</sub> x 11 <sup>3</sup> / <sub>4</sub>	Individual Packets	120-97462	50	61.30

**Clorox Healthcare\* Hydrogen Peroxide Cleaner Disinfectant Wipes**

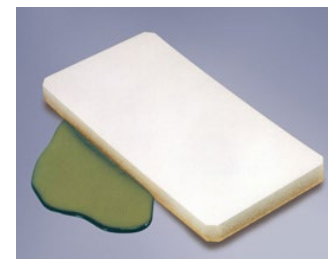
- Pre-moistened wipes for one-step cleaning, disinfecting, and deodorizing of hard, non-porous surfaces
- Bactericidal, virucidal, and fungicidal disinfectant
- The formula has EPA registered efficacy against over 40 pathogens, with 30 second to 1 minute kill times on some of the most common bacteria and viruses
- Active Ingredient: Hydrogen Peroxide (1.4%)



Packaging	No. of Wipes/Package	Catalog No.	Qty/Case	Case
Canister	95	121-86087	6	67.85
Canister	155	121-86090	6	71.35
Canister	185	121-86093	2	103.40
Refill Bag	185	121-86096	2	99.05

**Contec\* VK Sponges**

- Absorbent, abrasion resistant sponges
- High sorbency polyester foam combined with the abrasion resistance of Polynit fabric
- Available with textured polyester surface for more aggressive cleaning tasks
- Autoclavable; also available as a sterile ready-to-use product
- Available in two sizes: 5 in. and 8<sup>1</sup>/<sub>2</sub> in.
- Designed for general cleaning and wiping



Size (in.)	Sterility	Catalog No.	Qty/Case	Case
5 x 5 x 0.6	Sterile	121-86228	120	1027.25
8.5 x 4.25 x 0.6	Autoclavable	121-86225	96	389.20

## BIOLOGICAL SAFETY CABINETS

- **Class I Biological Safety Cabinets** protect the personnel and the environment but not the product or preparation. Unlike fume hoods, the HEPA filter in the Class I BSC protects the environment by filtering the air before it is exhausted.
- **Class II Biological Safety Cabinets** protect the product, personnel and the environment.

This table illustrates Class II BSC National Sanitation Foundation classifications and descriptions.

NSF Classification	Description
A1	<ul style="list-style-type: none"> <li>- 70% air recirculated, 30% exhausted from a common plenum to the room</li> <li>- 75 feet per minute (FPM) intake</li> <li>- May have biologically contaminated positive pressure plenum</li> </ul>
A2	<ul style="list-style-type: none"> <li>- 70% air recirculated, 30% exhausted from a common plenum to the room</li> <li>- 100 FPM intake</li> <li>- Biologically contaminated plenum under negative pressure or surrounded by negative pressure</li> </ul>
B1	<ul style="list-style-type: none"> <li>- 40% air recirculated, 60% exhausted from cabinet</li> <li>- Exhaust air pulled through dedicated exhaust duct into facility exhaust</li> <li>- 100 FPM intake</li> <li>- All biologically contaminated plenums are negative to the room or surrounded by negative pressure plenums</li> </ul>
B2	<ul style="list-style-type: none"> <li>- 0% air recirculated, 100% exhausted from cabinet</li> <li>- Exhaust air pulled through dedicated exhaust duct into facility exhaust</li> <li>- 100 FPM intake</li> <li>- All ducts and plenums are under negative pressure</li> <li>- All contaminated ducts are under negative pressure or surrounded directly exhausted negative pressure ducts or plenums</li> </ul>

To Order – Call 800.772.8786



# EQUIPMENT FOR CONTROLLED ENVIRONMENTS



**Hardy Diagnostics TRIO.BAS\* DUO  
Biological Air Samplers with  
Bluetooth**

- Two aspirating heads for sampling on separate plates to determine bacterial and yeast/mold counts
- Save sample time by doubling air volume
- Suitable for contact plates or standard agar plates (Petri dish)
- Achieve better statistical microbiological results by doubling sampling cycles
- Aspirating head with quick bayonet closure system for easy manipulation
- Available in 100 or 200 liters per minute flow rate models
- Ergonomic and balanced design
- Antibacterial technopolymer shockproof body
- IS65 protection from dust and water
- Bluetooth data transfer ability
- Cascade passwords (operator, manager, and secure)
- Manual or automatic functions
- Delayed and remote start capabilities
- Programmable for simultaneous or interval aspirating times
- No plugs or external connections
- Connection free induction battery charging (Base Station Induction Battery Charger sold separately, Cat. No. 341-86716)
- Battery autonomy up to 100,000 liters of air
- 1 year manufacturer warranty



Flow Rate (L/min.)	Plate Style	Catalog No.	Each
100	Contact	341-86698	6180.00
100	Petri	341-86701	6180.00
200	Contact	341-86704	6180.00
200	Petri	341-86707	6180.00

**Hardy Diagnostics TRIO.BAS\*  
MINI Air Samplers with Bluetooth**

- Aspirating head quick bayonet fixing system
- Ergonomic and balanced design
- Suitable for contact plate or standard agar plates (Petri dish)
- Available in 100 or 200 liters per minute flow rate models
- Antibacterial technopolymer shockproof body
- IP65 protection from dust and water
- Bluetooth data transfer ability
- Cascade passwords (operator, manager, and secure)
- Manual or automatic functions
- Delayed and remote start capabilities
- Programmable for simultaneous or interval aspirating times
- Battery charger included
- 1 year manufacturer warranty



Flow Rate (L/min.)	Plate Style	Catalog No.	Each
100	Contact	341-86674	4546.25
100	Petri	341-86677	4546.25
200	Contact	341-86686	4546.25
200	Petri	341-86689	4546.25

**Hardy Diagnostics  
Induction Charger**

- Induction battery charger base station for use with TRIO.BAS DUO Biological Air Samplers (sold separately)
- Units simply rest on top of the base station and begin charging
- 100/240 VCA
- 50/60 Hz
- 35W USA variant plug



Catalog No.	Each
341-86716	1495.00

**Hardy Diagnostics ROBUSTUS  
Carrying Case**

- Hard carrying case
- For use with all TRIO.BAS Biological Air Samplers



Catalog No.	Each
651-10625	312.75

**Hardy Diagnostics Soft  
Carrying Case**

- Soft canvas carrying case
- 37 x 16 x 22 cm
- For use with TRIO.BAS MINI Air Samplers



Catalog No.	Each
651-10028	193.65

**Hardy Diagnostics Stand-  
Up Holder**

- Vertical holder for hands-free sampling
- For use with TRIO.BAS DUO Biological Air Samplers



Catalog No.	Each
341-86719	475.85

To Order – Call 800.772.8786

**Hardy Diagnostics Vertical Hook**

- Stainless steel vertical holder for TRIO.BAS MINI Biological Air Sampler



Description	Catalog No.	Each
Vertical Hook	651-10640	259.25
Knob for Vertical Hook	651-10643	46.50

**Hardy Diagnostics Stainless Steel Aspirating Heads**

- Stainless steel bayonet aspirating heads for use with all TRIO.BAS Biological Air Samplers
- Available in Contact plate (RODAC) and 90 mm Petri plate versions
- Autoclavable
- Can be sprayed with disinfectants
- Lasts the lifetime of the equipment



Plate Style	Catalog No.	Each
Contact	651-10025	497.25
Petri	341-86695	594.95

**Hardy Diagnostics Stainless Steel Blind Head**

- Protects the aspirating chamber of all TRIO.BAS Biological Air Samplers
- Autoclavable
- Can be sprayed with disinfectants
- Lasts the lifetime of the equipment



Catalog No.	Each
651-10628	234.55

**Hardy Diagnostics Daily Shift/ Polystyrene Aspirating Heads**

- Polystyrene aspirating heads for use with all TRIO.BAS Biological Air Samplers
- Ready-to-use in cleanroom
- Individually packaged
- Certification of Sterility provided



Plate Style	Catalog No.	Pkg of 30
Contact	651-10631	310.90
Petri	651-10634	310.90

**Hardy Diagnostics Polycarbonate Aspirating Heads**

- Polycarbonate aspirating heads for use with all TRIO.BAS Biological Air Samplers
- Autoclavable
- Can be sprayed with disinfectant
- Durable



Plate Style	Catalog No.	Pkg of 5
Petri	651-10637	446.10
Contact	651-10667	446.10

**Hardy Diagnostics TSA Prepared Media Contact Plates**

- 15 x 60 mm Contact Plates filled with TSA (Tryptic Soy Agar)
- For the cultivation of microorganisms from environmental surfaces
- Irradiated plates are triple bagged
- For use with all TRIO.BAS Biological Air Samplers



†This item is perishable and must ship overnight

Description	Sterility	Catalog No.	Pkg of 10
TSA with Lecithin & Tween* 80, Irradiated USP, Red Tint Plate	Irradiated	741-98667	33.50
TSA with Lecithin & Tween* 80	Irradiated	741-98670	30.90
TSA with Lecithin & Tween* 80	Non-irradiated	741-59905	28.85

**Hardy Diagnostics TSA Prepared Media Petri Plates**

- 15 x 100 mm Petri plates filled with TSA (Tryptic Soy Agar)
- General growth medium for the detection and enumeration of microorganisms from environmental sources
- Irradiated plates are triple bagged
- For use with all TRIO.BAS Biological Air Samplers



†This item is perishable and must ship overnight

Description	Fill (mL)	Sterility	Catalog No.	Pkg of 10
TSA, SterEM, USP	34	Irradiated	651-10646	45.00
TSA, USP	26	Irradiated	651-10655	48.00
TSA, USP	26	Non-irradiated	651-10649	30.00

**Hardy Diagnostics SabDex Prepared Media Contact Plates**

- 15 x 60 mm Contact Plates filled with Sabouraud Dextrose Agar (SabDex)
- For the cultivation of fungi
- Irradiated plates are triple bagged
- For use with all TRIO.BAS Biological Air Samplers



Description	Sterility	Catalog No.	Pkg of 10
SabDex Agar	Non-irradiated	651-10658	32.00
SabDex Agar with Lecithin & Tween* 80	Irradiated	651-10661	28.00

**Hardy Diagnostics SabDex Prepared Media Petri Plates**

- 15 x 100 mm Petri plates filled with Sabouraud Dextrose Agar (SabDex)
- For the cultivation of fungi
- Irradiated plates are triple bagged
- For use with all TRIO.BAS Biological Air Samplers



Description	Fill (mL)	Sterility	Catalog No.	Pkg of 10
SabDex Agar, USP	26	Irradiated	651-10652	40.00

**Hardy Diagnostics Malt Extract Agar Prepared Media Contact Plates**

- 15 x 60 mm Contact plates filled with Malt Extract Agar with Lecithin and Tween
- For the cultivation and enumeration of fungi
- For use with all TRIO.BAS Biological Air Samplers



Catalog No.	Pkg of 10
651-10664	30.00

To Order – Call 800.772.8786

**Tuttnauer\* EA Series Fully Automated Autoclaves with**

- Automatic microprocessor-control system and built-in air pump for closed door drying
- Ideal for sterilizing liquids, media, instruments, glassware, clothing, and waste
- Three automatic programs to choose from according to the material to be sterilized, plus one auxiliary drying program
- Equipped with an air compressor that draws air through a HEPA filter and into the chamber for the drying operation
- Ensures thorough drying and reduced overall drying time
- Includes a built-in printer that provides a printed summary at the end of each cycle; printer documents temperature, elapsed drying and sterilization times, selected cycle, cycle number, real date and time, as well as errors or interruptions that may have occurred during the cycle
- Every stage of the cycle (water filling, heating, sterilization, exhaust, and drying) is microprocessor-controlled and completely automatic
- Digital display continuously shows temperature, pressure, and running time
- Four fully adjustable, single button programs
- Battery backup ensures all parameter settings and controls are retained
- Sterilization time from 3 to 99 minutes
- Temperature selection from 105 to 137°C (221 to 279°F)
- In-line particle filter protects valves
- Electronic pressure and temperature sensors
- Low water alarm
- Standby heating keeps chamber warm for quicker cycles
- Overall dimensions (W x D x H): 20 x 20 x 15 in.
- Voltage: 120V
- Power supply: 1400W
- Current: 12A
- 1 year warranty



**Standard Operating Features:**

- Self-contained design eliminates external plumbing and hardwiring
- Simple operation
- ASTM-stamped, 316L stainless steel chamber
- Closed door drying system maintains sterility
- Drying cycle removes residual moisture
- Continuous pressure purge eliminates air pockets, ensuring even sterilization
- Large-capacity reservoir provides ample water supply
- Automatic shut off feature

**Standard Safety Features:**

- Heat insulated, double-locking door
- Door cannot be opened while the chamber is under pressure
- Automated low water shut off
- Over-temperature cutoff and over-pressure valve
- UL- and CSA- approved

Model	Chamber Dimensions Dia. x D (in.)	Chamber Volume gal. (L)	Overall Dimensions W x D x H (in.)	No. of Trays Included	Voltage	Catalog No.	Each
2540EAP	10 x 18	6 (23)	20 x 20 x 15	4	120V	312-10073	11162.05
2340EAP	9 x 18	5 (19)	20 x 20 x 15	3	120V	312-10067	9801.75

## Tuttnauer\* M Series Manual Analog Autoclaves

- Effortless and affordable Plug 'n Play sterilizers that are virtually maintenance free and have reduced running costs
- Analog controls and gauges for simple operation
- 60-minute cycle timer
- Temperature selection from 100 to 134°C (212 to 273°F)
- Combination pressure and temperature gauge with peak indicator
- 1 year warranty



### Standard Operating Features:

- Self-contained design eliminates external plumbing and hardwiring
- ASTM-stamped, 316L stainless steel chamber
- Fast exhaust allows quick cycle time of solids
- Slow exhaust prevents media and liquid boil-over
- Closed door drying system maintains sterility
- Drying cycle removes residual moisture
- Continuous pressure purge eliminates air pockets, ensuring even sterilization
- Large-capacity reservoir provides ample water supply
- Automatic shut off feature

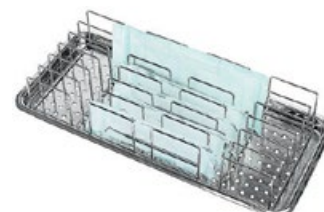
### Standard Safety Features:

- Heat insulated, double-locking door
- Door cannot be opened while the chamber is under pressure
- Automated low water shut off
- Over-temperature cutoff and over-pressure valve
- UL- and CSA- approved

Model	Chamber Dimensions Dia. x D (in.)	Chamber Volume gal. (L)	Overall Dimensions W x D x H (in.)	No. of Trays Included	Voltage	Catalog No.	Each
<b>Autoclave with Stand</b>							
3870M	15 x 27	22 (84)	26 x 34 x 21	2	220V	311-10031	21507.00
<b>Autoclave</b>							
3545M	12.2 x 18.5	9 (34.4)	23.5 x 21.5 x 18	2	220V	311-10072	11429.20
2540M	10 x 18	6 (23)	20 x 20 x 15	4	120V	312-10079	7322.00
2340M	9 x 18	5 (19)	20 x 20 x 15	3	120V	312-10076	6323.10
1730M	7 x 12	2 (7.5)	17 x 16 x 12.5	3	120V	312-10088	5532.20

## Tuttnauer\* Instrument Pouch Racks

- All pouched instruments should be placed in a rack for proper sterilization and drying
- Stainless steel pouch rack is convenient for the loading and unloading of bagged instruments
- Two racks per box
- Catalog No. 312-10112 is for all 9 in. and 10 in. diameter chambers
- Catalog No. 312-10115 is for all 15 in. diameter chambers



For Model(s)	Catalog No.	Each
2340/2540/3545	312-10112	184.95
3870	312-10115	214.70

**Benchmark Scientific BioClave\* 16 Research Autoclave**

- Fully automatic
- Extremely compact
- Built-in water tank; does not require an external water supply
- Large stainless steel chamber
- Accommodates a variety of liquids, instruments, glassware, and other common cleanroom items
- Includes a mechanical and electrical safety interlock that prevents the door from being opened until the pressure has reached zero psi
- Large digital display
- Optional thermal mini-printer available separately (Cat. No. 315-10008)
- Three cycle options are preset for use with liquids, wrapped instruments, or unwrapped instruments
- A “Dry Only” option is also available for additional drying time to be added to the end of a cycle
- All settings are fully adjustable for special applications



**Specifications:**

- Chamber volume: 16 L
- Max. pressure: 29 psi (2 bar)
- Chamber dimensions: 9 x 13.75 in. (23 x 35 cm)
- Tray dimensions: 6.5 x 10.75 in. (16.5 x 27 cm)
- Overall dimensions (W x D x H): 22 x 17.5 x 15.7 in. (56 x 44.5 x 40 cm)
- Weight: 89 lbs (40 kg)
- Electrical: 120V, 50-60 Hz, 1600W
- 1 year warranty

Description	Catalog No.	Each
BioClave* 16 Autoclave	315-10002	5398.10
Printer	315-10008	300.05

**Benchmark Scientific BioClave\* Mini Research Autoclave**

- Fully automatic
- Extremely compact
- Built-in water tank; does not require an external water supply
- Surprisingly large stainless steel chamber
- Accommodates a variety of liquids, instruments, glassware, and other common cleanroom items
- Includes a mechanical and electrical safety interlock that prevents the door from being opened until the pressure has reached zero psi
- Large digital display
- Pre-programmed to meet basic sterilization needs
- Temperature can be selected at either 121 or 134°C
- The sterilization time is fixed
- Ideal choice wherever benchtop sterilization is required and space is limited



**Specifications:**

- Chamber volume: 8 L
- Max. pressure: 29 psi (2 bar)
- Chamber dimensions: 6.7 x 12.5 in. (17 x 31 cm)
- Tray dimensions: 4.75 x 9.75 in. (12 x 24.8 cm)
- Overall dimensions (W x D x H): 20 x 13.5 x 12.9 in. (51 x 34 x 33 cm)
- Weight: 74 lbs (33 kg)
- Electrical: 120V, 50-60 Hz, 950W
- 1 year warranty

Catalog No.	Each
315-10005	3971.85

**Revolutionary Science Saniclave 200/200P Autoclaves**

- Simple, one-button automatic operation
- Digital display of temperature, time, and pressure
- Front loading door
- Stainless steel chamber and rugged ABS enclosure
- Will not corrode like aluminum
- Lightweight and portable
- Dry mode allows you to sterilize and dry wrapped instruments
- Cat. No. 311-10122 includes an access port for external printer connection (printer not included)
- Cat. No. 311-10125 includes built-in printer (image shown)
- Under- and over-temperature alarms
- Insufficient water alarm
- Silicone rubber gasket ensures a long life
- Maximum instrument size: 12 in.
- FDA approved (K112811), IEC compliant, CE marked and ANSI / AAMI - ST55 Standard Approved, ST79 approved sterilization cycle



**Specifications:**

- Chamber dimensions (Dia. x D): 9 x 10 1/2 in.
- Chamber volume: 10.5 L
- Overall dimensions (W x D x H): 13 1/2 x 21 x 16 in.
- Electrical requirements: 120V, 60 Hz, 1250W, grounded cord
- Weight: 20 lbs
- 2 year warranty

Description	Catalog No.	Each
Saniclave 200 Autoclave	311-10122	1686.85
Saniclave 200P Autoclave with Printer	311-10125	2087.10

**Revolutionary Science Saniclave 102 FDA Approved, Top-Loading Autoclave**

- Easy one button operation
- Durable construction
- Safe burn-free exterior, cool to the touch
- Top-loading
- Digital time and/or temperature display
- Over temperature alarm
- Rugged stainless steel chamber and cover
- For solid, non-lumened, unwrapped medical instruments
- Basket included
- Made in America
- IEC compliant, CE marked
- FDA approved



**Specifications:**

- Chamber dimensions (Dia. x H): 9 x 8 in.
- Chamber volume: 8 L
- Overall dimensions (W x D x H): 12 1/2 x 15 x 13 in.
- Electrical requirements: 120V, 60 Hz, 1250W, grounded cord
- Weight: 12 lbs
- 2 year warranty

Catalog No.	Each
311-10119	1283.95

### Revolutionary Science Saniclave 50 Top Loading Autoclave

- Easy one button operation
- Durable construction
- Safe, burn-free exterior; cool to the touch
- Vertical loading
- Digital time and/or temperature display
- Over-temperature alarm
- Rugged stainless steel chamber and cover
- For solid, non-lumened, and unwrapped instruments
- Basket included
- Made in America
- IEC compliant, CE marked
- **Not FDA approved**



**Specifications:**

- Chamber dimensions (Dia. x H): 9 x 8 in.
- Chamber volume: 8 L
- Overall dimensions (W x D x H): 12½ x 15 x 13 in.
- Electrical requirements: 120V, 60 Hz, 1250W, grounded cord
- Weight: 12 lbs
- 2 year warranty

<b>Catalog No.</b>	<b>Each</b>
<b>311-10116</b>	<b>977.95</b>

### Chamber Brite\* Autoclave Cleaner

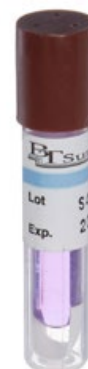
- Solution for keeping autoclaves clean and free of water deposit buildup
- Effectively cleans and descales the chamber, reservoir, and tubing of most steam autoclaves
- Convenient, pre-measured packets replace messy liquids, measuring, and scrubbing
- One packet after every 20 cycles of use or once per week is recommended
- Regular use optimizes autoclave function and extends operating life
- No pre-mixing required
- Odor free
- Easy storage
- 10 packets per box



<b>Catalog No.</b>	<b>Box</b>
<b>311-10040</b>	<b>131.20</b>

### Thermo Scientific Barnstead Biological Indicators

- Easy and inexpensive methods for monitoring a steam sterilizers effectiveness
- Indicators verify sterility of instruments, vials, media, liquid cycles, and other products
- Purple color ensures sterilization
- Color change from purple to yellow indicates an ineffective sterilization process
- SterilAmp\* II is for media and liquids
- B/T Sure\* complies with current AAMI and ISO standards and is used for instruments and glassware
- Ideal for use with the Thermo Scientific\* Digital Dry Bath / Block Heater (Cat. No. 467-10086)



Spore Population	Catalog No.	Qty/Pkg	Pkg
<b>SterilAmp* II</b>			
10 <sup>6</sup>	<b>339-39364</b>	25	<b>200.40</b>
10 <sup>6</sup>	<b>339-39367</b>	100	<b>627.30</b>
<b>B/T Sure*</b>			
10 <sup>5</sup>	<b>339-39352</b>	5	<b>45.80</b>
10 <sup>5</sup>	<b>339-39358</b>	100	<b>594.30</b>

**Thermo Scientific Digital Dry Bath / Block Heater**

- Ideal for use with Thermo Scientific\* Biological Indicators (sold separately)
- Digital controls and display of time and temperature
- Built-in temperature sensing probe for outstanding temperature accuracy and control
- Precise temperature control with PID circuit
- Temperature calibration enables the user to offset the temperature to desired value
- Timer allows the user to accurately monitor the heating time
- Interchangeable aluminum alloy sample blocks provide versatility and allow for easy cleaning and disinfecting
- Powder-coated steel body construction ensures durability
- Digital Dry Bath / Block Heater (Cat. No. 467-10086) holds one block (sold separately)†
- Block (Cat. No. 467-10107) holds twenty-eight biological indicators up to 10 mm in diameter
- Block dimensions (W x D x H): 4.9 x 3 x 1.5 in. (124 x 76 x 39 mm)



**Digital Dry Bath / Block Heater Specifications:**

- Temperature range: Ambient + 5°C to 130°C (Ambient at 25°C)
- Temperature control accuracy at (37°C):  $\leq \pm 0.5^\circ\text{C}$
- Temperature uniformity (at 37°C):  $\leq \pm 1^\circ\text{C}$
- Timer range 0 to 99:59 minutes or continuous
- Heating-up time (30 to 130°C):  $\leq 20$  min.
- Relative humidity tolerance:  $\leq 80\%$
- Dimensions: 11.3 x 7.9 x 3.9 in. (288 x 200 x 100 mm)
- Weight: 6.39 lbs (2.9 kg)
- Fuse protector: 250V, 2.5A
- Certification: CE, cULus, RoHS
- 2 year warranty
- Shipment includes: Dry bath, US style plug, block lifter

†UNIT MUST BE ORDERED WITH A BLOCK

Description	Catalog No.	Each
Digital Dry Bath / Block Heater, 120V	467-10086	452.00
28 x 10 mm Block	467-10107	91.55

**AUTOCLAVING**

Autoclaving, sometimes called steam sterilization, is the use of pressurized steam to kill infectious agents and denature proteins. This kind of “wet heat” is considered the most dependable method of sterilizing laboratory equipment and decontaminating biohazardous waste. When used properly, autoclaves are safe and highly effective. Autoclaves use saturated steam under pressure of approximately 15 pounds per square inch to achieve a chamber temperature of at least 250°F (121°C) for a prescribed time—usually 30 to 60 minutes.

To Order – Call 800.772.8786

### Ohaus\* Explorer\* Analytical Balances

- Optimized linearity and repeatability specifications
- Enhanced vibration filtering for better balance stability
- AutoCal\* automatic internal calibration to improve accuracy
- Illuminated draftshield provides easy entry to the weighing chamber through the versatile top and side doors
- 2 year warranty

#### Display:

- Full-color VGA graphic display
- 4-wire resistive touch screen
- Virtual QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data

#### Operation:

- AC adapter (included)

#### Communication:

- Easy access communication ports including standard USB and RS232 and an optional third port of either RS232 or Ethernet
- GLP/GMP data output with real time clock
- Data transfer function

#### Construction:

- Metal base, ABS top and display housing, draftshield, stainless steel pan, and replaceable in-use cover

#### Design Features:

- AutoCal\* fully-automatic internal calibration system, fast stabilization time, 4 touchless sensors, up to 13 operating languages, menu lock switch, security bracket, integral weigh below hook, removable stainless steel weighing pan, stability indicator, overload and underload indicators, auto standby



Capacity (g)	Readability (mg)	Repeatability (mg)	Linearity $\pm$ (g)	Stabilization Time (sec.)	Pan Size in. (mm)	Catalog No.	Each
<b>Analytical Balance</b>							
120	0.1	$\pm$ 0.1	$\pm$ 0.2	2	3.5 (90)	<b>449-48077</b>	<b>3822.00</b>
220	0.1	$\pm$ 0.1	$\pm$ 0.2	2	3.5 (90)	<b>449-48080</b>	<b>4258.80</b>
320	0.1	$\pm$ 0.1	$\pm$ 0.2	3	3.5 (90)	<b>449-48083</b>	<b>5023.20</b>
<b>Analytical Balance with Automatic Door</b>							
120	0.1	$\pm$ 0.1	$\pm$ 0.2	2	3.5 (90)	<b>649-10167</b>	<b>5350.80</b>
220	0.1	$\pm$ 0.1	$\pm$ 0.2	2	3.5 (90)	<b>649-10170</b>	<b>5787.60</b>
320	0.1	$\pm$ 0.1	$\pm$ 0.2	3	3.5 (90)	<b>649-10173</b>	<b>6442.80</b>

## DECONTAMINATION

Decontamination inactivates, neutralizes, or physically removes hazardous chemical residue from non-disposable surfaces and transfers it to absorbent, disposable materials such as wipes, pads, or towels. When choosing a product for decontaminating hazardous chemicals consider surface compatibilities and facility requirements. Always adhere to manufacturer's use instructions.

## Spectrum\* SCB2 Series Analytical and Toploading Balances

- Economical balances with advanced forced-compensation weighing technology
- State-of-the art features for advanced weighing applications and documentation
- Housing is designed to endure the most challenging environments
- Onscreen symbols show real-time functions including working mode, battery charge, and connection status
- Dedicated Setup, Mode, Function, and Database Keys along with navigational arrows provide easy access to weighing features, applications, and data
- External, automatic calibration at the touch of a key (CAL) using a precision weight assures that every reading is accurate
- Scroll between 16 weigh modes including the ability to create 2 custom user defined units
- User-friendly draftshield is standard on analytical models
- The three sliding doors make access to the chamber a breeze
- Draftshield doors, stainless steel weighing pan, and draft chamber floor are easy to remove for cleaning
- Easy-to-read, adjustable, backlit display
- Simple menu-driven navigation
- 16 weight units
- 6 application modes: Access Levels, User Functions, Backlight Setting, Language, Keyboard Sounds, and GLP Protocol
- 4 databases: Users, Products, Weighings, and Tares
- Overload protection reduces the risk of damage from misuse
- Adjustable ambient conditions settings for difficult environments
- RS232 communication option for printing reports
- Density determination, parts counting, percent weighing, and animal weighing capabilities
- 5 year warranty



### Specifications:

- Operating temperature: 10 to 40°C (50 to 104°F)
- Relative humidity: 40 to 80% (non-condensing)
- Sensitivity drift: 1 ppm, 10 to 40°C
- Interface: RS232
- Power requirements:
  - Input: 100-240V, 50-60 Hz, 0.6A
  - Output: 12-16VD, 2.1A

Capacity (g)	Readability	Repeatability	Stabilization Time (sec.)	Pan Size (mm)	Catalog No.	Each
<b>Analytical Balance with Short Draftshield</b>						
60	0.1 mg	0.1 mg	3.5	85	642-10029	1566.65
120	0.1 mg	0.1 mg	3.5	85	642-10032	1778.80
210	0.1 mg	0.1 mg	3.5	85	642-10035	1990.95
<b>Toploading Balance with Short Draftshield</b>						
200	0.001 g	0.001 g	2	128 x 128	642-10038	1194.80
400	0.001 g	0.001 g	2	128 x 128	642-10041	1406.95
500	0.001 g	0.001 g	2	128 x 128	642-10044	1587.25
<b>Toploading Balance</b>						
4000	0.01 g	0.01 g	1.5	195 x 195	642-10047	1375.05
5000	0.01 g	0.01 g	1.5	195 x 195	642-10050	1587.25

To Order – Call 800.772.8786

**Spectrum\* SCA Series Semi-Micro and Analytical Balances**

- High precision weighing with advanced features
- Internal automatic calibration — time and temperature activated
- Easy-to-read, adjustable, white backlit display
- Simple menu-driven navigation
- 17 weight units and 11 application modes
- Overload protection reduces the risk of damage from misuse
- Adjustable ambient condition settings for difficult environments
- Full GLP documentation
- 10 users (with administrator control) and 1000 product data storage
- Tare weight storage, 100 containers
- Alibi Memory secures up to 100,000 weighing records
- Pan, spill ring and draft chamber floor are stainless steel for easy cleaning
- 5 year warranty

**Specifications:**

- Operating temperature: 10 to 40°C (50 to 104°F)
- Relative humidity: 40 to 80% (non-condensing)
- Interface: RS232 (2), USB-A and USB-B, WiFi
- Power requirements: 100 - 240V, 50/60 Hz, 0.6A
- Unit dimensions (L x W x H): 6.3 x 6.61 x 9.05 in.
- Height above pan: 8.94 in.



Capacity (g)	Readability (mg)	Repeatability (mg)	Linearity (mg)	Stabilization Time (sec.)	Pan Size in. (mm)	Catalog No.	Each
60/220	0.01/0.1	0.03/0.1	0.07/0.2	5.0/3.5	2.76 (70)	442-10077	4653.70
160	0.1	0.1	0.2	3.5	3.35 (85)	442-10080	3062.70
220	0.1	0.1	0.2	3.5	3.35 (85)	442-10083	3289.95
310	0.1	0.1	0.2	3.5	3.35 (85)	442-10086	3744.55

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

To help minimize the number of particles and contaminants in a controlled environment or cleanroom it is essential that proper garments be worn.

- Class 1 or ISO Standard 3: Full coverage is needed. This includes hoods, hair covers, coveralls, boots, facial covers and gloves. It is suggested that you change garments every time you enter a class 1 environment.
- Class 10 or ISO Standard 4: Full coverage is needed. This includes hoods, hair covers, coveralls, boots, facial covers and gloves. It is suggested that you change garments every time you enter a class 10 environment.
- Class 100 or ISO Standard 5: Hoods, coveralls, boots and gloves should be worn. It is suggested that you change your garments on a daily basis when in a class 100 environment.
- Class 1000 or ISO Standard 6: Hood or cap, frock and footwear should be worn. It is suggested that you change your garments on a daily basis when in a class 1000 environment.
- Class 10,000 or ISO Standard 7: Hood or cap, frock and footwear should be worn. Gloves are optional at this level. It is suggested that you change your garments on a daily basis when in a class 10,000 environment.
- Class 100,000 or ISO Standard 8: Hood or cap, frock and footwear should be worn. Gloves are optional at this level. It is suggested that you change your garments on a daily basis when in a class 100,000 environment.

*The above information is only intended as a guide for your contamination control program. Some modifications may be required according to individual processes and other factors affecting garment usage and frequency of change.*

### Spectrum\* Microbalances

- 2-point adjustment system guarantees the highest measurement accuracy while minimizing linearity errors, providing reliable results over the entire weighing range
- The 5.7 in. color touch screen allows for easy menu access and customization of the balances home screen
- The Pipette Microbalance allows users to easily check piston pipette volumes utilizing the gravimetric method for control of volumes
- The Filter Microbalance features a specially designed weighing chamber which allows for the determination of precise absorption values through the use of filter weight measurements
- User profiles are easily created with modifiable settings and permissions
- The system continuously monitors the balance's level status during operation
- Simple menu-driven navigation
- Multi-language
- Automatic detection of ambient conditions
- Two RS232, Two USB (Type A & B), Ethernet, and Wi-Fi communication options
- 2 proximity sensors to aid in hands-free operation
- Automatic sliding door
- 2-point adjustment system
- Full GLP/GMP documentation
- 3 year warranty



#### Common Specifications:

- Calibration adjustment: Internal, automatic
- Operating temperature: 10 to 40°C (50 to 104°F); 18 to 30°C (64 to 86°F) for Cat. No. 642-10005
- Relative humidity: 40 to 80% (non-condensing)
- Sensitivity temperature drift:  $1 \times 10^{-6} / ^\circ\text{C} \times \text{Rt}$
- Power Requirements:
  - Input: 100-240VAC, 50-60 Hz, 0.6A
  - Output: 12-16VD, 2.1A
  - Polarity: Outside = + Inside = -

Capacity (g)	Readability ( $\mu\text{g}$ )	Eccentricity ( $\mu\text{g}$ )	Pan Size (mm)	Catalog No.	Each
<b>Ultra-Microbalance</b>					
2.1	0.1	1.5	16	642-10005	29616.50
<b>Microbalance</b>					
2.1	1	3	16	642-10008	15955.50
5	1	5	26	642-10011	18205.05
11	1	6	26	642-10014	20347.45
21	1	7	26	642-10017	25708.80
<b>Pipette Microbalance</b>					
21	1	7	26	642-10056	25703.45
<b>Filter Microbalance</b>					
5	1	5	100	642-10053	25703.45

### Traceable\* SpatulaBalance\*

- Transfers and weighs crystals, granulated materials, solids, liquids, precipitates, and chemicals
- Unique spatula scoops material and instantly displays weight
- Three position soft-touch keys in handle tares, holds, and changes from grams to ounces
- Balance with digital display is located in the easy-grip handle
- Scoop detaches from balance for dishwasher-safe cleaning
- LCD indicates low battery
- Markings on see-through scoop are graduated from 5 to 30 mL in 5 mL increments for weighing liquids with ease
- Scoop design eliminates spilling
- Chemical/corrosion resistant ABS plastic construction allows for the transferring of materials without sticking
- To assure accuracy an individually serial-numbered Traceable\* Certificate is provided from an ISO/IEC 17025:2005 (1750.01) calibration laboratory accredited by A2LA
- Supplied with two AAA batteries
- Scoop holds 32 mL (1.1 fluid oz) and scoop volume is 32 cm<sup>3</sup> (1.95 in.<sup>3</sup>)
- Unit measures 9 x 2 x 1 in. and weighs 3 oz



Range g (oz)	Resolution g (oz)	Accuracy	Catalog No.	Each
0 to 300 (0 to 10.58)	0.1 (0.005)	$\pm 0.2$ g or 0.25%	440-16556	53.95

To Order – Call 800.772.8786

**Ohaus\* Explorer\* Precision Balances with Draftshield**

- Fast stabilization time, optimized linearity, and repeatability specifications
- Enhanced vibration filtering
- Choice of traditional external calibration or AutoCal\* models
- Large color touch-screen display, icon-driven application software with 14 unique application modes, and an adjustable angle display
- Sturdy modular design includes die-cast metal housing and a display that can be separated from the weighing base and tower or wall mounted for ultimate flexibility in any workspace

**Display:**

- Full-color VGA graphic display (5.7 in. / 14 cm diagonal), 4-wire resistive touch screen
- Virtual QWERTY keyboard and numeric keypad to quickly input GLP and GMP data and other application data

**Operation:**

- AC Adapter (included)

**Communication:**

- Easy access communication ports including standard USB and RS232 and an optional third port of either RS232 or Ethernet
- GLP/GMP data output with real time clock
- Data transfer function

**Construction:**

- Metal base, ABS top housing, stainless steel pan, glass draftshield with flip-top door, replaceable in-use cover

**Design Features:**

- AutoCal\* fully-automatic internal calibration system, external calibration on select models, fast stabilization time, four touchless sensors, up to 13 operating languages, certified models available, menu lock switch, security bracket, integral weigh below hook for below balance weighing applications, removable stainless steel weighing pan, stability indicator, overload and underload indicators, auto standby



Capacity (g)	Readability (g)	Repeatability (g)	Linearity (g)	Pan Size in. (mm)	Catalog No.	Each
220	0.001	± 0.001	± 0.002	5.1 (130)	449-48086	2511.60
420	0.001	± 0.001	± 0.002	5.1 (130)	449-48089	2948.40
620	0.001	± 0.001	± 0.002	5.1 (130)	449-48092	3494.40
1100	0.001	± 0.001	± 0.002	5.1 (130)	449-48095	4149.60

**Spectrum\* Granite Balance Platform Slab**

- Granite slab with anti-vibration isolators
- Ideal as a base for precision instruments susceptible to vibrations
- Measures 13 x 15 in.



† This item is considered oversized. Additional shipping surcharges may apply

Catalog No.	Each
644-10068	1560.00

**SEARCH OUR COMPLETE PRODUCT OFFERING**

Can't find what you are looking for in this catalog? To view our entire product offering, go to [SpectrumChemical.com](http://SpectrumChemical.com) and use our site search function or search by product category.

**Bransonic\* CPXH Ultrasonic Cleaning Baths**

- Technologically advanced ultrasonic baths
- Digital operation with power tracking capabilities to adjust for light or heavy loads
- Completely programmable
- High/low power control
- Degassing and sleep mode
- Sweep frequency eliminates standing waves and creates consistent cavitation throughout the tank
- 40 kHz rugged industrial transducers
- 99-minute digital timer and continuous ultrasonic operation
- Can be heated up to 69°C (156.2°F) and set for either Fahrenheit or Celsius
- Degassing period can be set up to 99 minutes allowing for “beyond cleaning” applications
- Control circuitry actively tracks the operating frequency of the bath and immediately brings the tank’s frequency back to its optimum point
- The programmable process allows the process engineer to choose the temperature set point at which the degassing and ultrasonic time periods are triggered to begin
- Once the run time period is reached, the unit shuts off, delivering the same results every time
- When the process temperature reaches the programmable set point, the ultrasonic cycle begins automatically
- High/low power control: 100% power to the tank for normal applications, 70% power for delicate applications
- High-temp safety alarm indicator for protection from unit overheating
- Temperature calibration is user accessible through front panel
- Controls are located above and behind the cleaning tank in an easily accessible control tower panel, and raised above the tank to avoid damage from cleaning solutions
- Convenient built-in pour drains are featured on 0.5 and 0.75 gallon models
- Tank drains with valves are incorporated on models 1.5 gallon and larger
- Plastic body, chemical-resistant
- Included tank cover allows the cleaning bath to heat up more quickly
- For optimum cleaning results, a line of accessories are available for your application needs (sold separately)



Model	Tank Capacity L (gal.)	Tank Size L x W x D (in.)	Overall Size L x W x D (in.)	Tank Drain	Catalog No.	Each
CPX1800H	1.9 (0.5)	6 x 5.5 x 4	9.9 x 12 x 11.9	No	382-15918	1041.75
CPX1800-E	1.9 (0.5)	6 x 5.5 x 4	9.9 x 12 x 11.9	No	382-15930	1258.45
CPX2800H	2.8 (0.75)	9.5 x 5.5 x 4	13.3 x 12 x 11.9	No	382-15942	1318.55
CPX2800-E	2.8 (0.75)	9.5 x 5.5 x 4	13.3 x 12 x 11.9	No	382-15954	1666.40
CPX3800H	5.7 (1.5)	11.5 x 6 x 6	15.6 x 12.5 x 14.8	Yes	382-15966	1968.70
CPX3800-E	5.7 (1.5)	11.5 x 6 x 6	15.6 x 12.5 x 14.8	Yes	382-15978	2620.75
CPX5800H	9.5 (2.5)	11.5 x 9.5 x 6	15.6 x 15.8 x 14.9	Yes	382-15990	2518.60
CPX5800-E	9.5 (2.5)	11.5 x 9.5 x 6	15.6 x 15.8 x 14.9	Yes	382-16002	3124.10
CPX8800H	20.8 (5.5)	19.5 x 11.5 x 6	23.5 x 18.3 x 15.4	Yes	382-16014	4356.60
CPX8800-E	20.8 (5.5)	19.5 x 11.5 x 6	23.5 x 18.3 x 15.4	Yes	382-16026	5295.55

**Mesh Baskets for Bransonic\* Ultrasonic Cleaning Baths**

- Direct cleaning accessory designed to maximize the effectiveness of Bransonic\* baths
- Suspends parts so that they do not rest on the bottom of the bath, as it can inhibit the ultrasonic activity and possibly damage the unit
- Wire mesh baskets have built-in handles specially designed to prevent the basket from touching the tank bottom
- Allows sound waves to penetrate directly to the parts



For Model	Catalog No.	Each
1800	342-51502	131.85
2800	382-10338	159.55
3800	382-10341	187.90

To Order – Call 800.772.8786

**Perforated Trays for Bransonic\* Ultrasonic Cleaning Baths**

- Direct cleaning accessory designed to maximize the effectiveness of Bransonic\* baths
- Suspends parts so that they do not rest on the bottom of the bath, as it can inhibit the ultrasonic activity and possibly damage the unit
- Perforated trays have built-in handles specially designed to prevent the tray from touching the tank bottom
- Allows sound waves to penetrate directly to the parts



For Model	Catalog No.	Each
1800	<b>382-10305</b>	<b>194.75</b>
2800	<b>382-10308</b>	<b>194.75</b>
3800	<b>382-10311</b>	<b>218.55</b>
5800	<b>382-10314</b>	<b>226.45</b>
8800	<b>382-10317</b>	<b>401.30</b>

**Solid Insert Tray for Bransonic\* Ultrasonic Cleaning Baths**

- Indirect cleaning accessory designed to maximize the effectiveness of Bransonic\* baths
- Suspends parts so that they do not rest on the bottom of the bath, as it can inhibit the ultrasonic activity and possibly damage the unit
- Ideal for cleaning small parts
- Discarded soil cleans easily from solid tray
- Indirect method is ideal for sample preparation
- Solid insert trays have built-in handles specially designed to prevent the tray from touching the tank bottom



For Model	Catalog No.	Each
1800	<b>382-10320</b>	<b>183.35</b>
2800	<b>382-10323</b>	<b>183.35</b>
3800	<b>382-10326</b>	<b>194.75</b>
5800	<b>382-10329</b>	<b>204.60</b>
8800	<b>382-10332</b>	<b>292.00</b>

**Support Racks for Bransonic\* Ultrasonic Cleaning Baths**

- Direct cleaning accessory designed to maximize the effectiveness of Bransonic\* baths
- Suspends parts so that they do not rest on the bottom of the bath, as it can inhibit the ultrasonic activity and possibly damage the unit
- Support racks allow total volume of the tank to be used while keeping parts, fixtures, or containers about 1/2 in. above the tank bottom
- Allows sound waves to penetrate directly to the parts
- Also useful as a countertop drain rack



For Model	Catalog No.	Each
1800	<b>382-16212</b>	<b>111.45</b>
2800	<b>382-16233</b>	<b>126.80</b>
3800	<b>382-16248</b>	<b>159.55</b>
5800	<b>382-16221</b>	<b>170.45</b>
8800	<b>382-16236</b>	<b>230.45</b>

**Beaker Positioning Covers for Bransonic\* Ultrasonic Cleaning Baths**

- Indirect cleaning accessory designed to maximize the effectiveness of Bransonic\* baths
- Suspends beakers so that they do not rest on the bottom of the bath, as it can inhibit the ultrasonic activity and possibly damage the unit
- Ideal for cleaning small parts
- Discarded soil cleans easily from beakers (sold separately)
- Indirect method is ideal for sample preparation



For Model	Capacity	Catalog No.	Each
<b>Plastic</b>			
1800	1 x 600 mL	<b>382-16209</b>	<b>59.10</b>
2800	2 x 250 mL	<b>382-16230</b>	<b>70.60</b>
2800	2 x 600 mL	<b>382-16227</b>	<b>70.60</b>
3800	3 x 250 mL	<b>382-16242</b>	<b>77.40</b>
3800	2 x 600 mL	<b>382-16245</b>	<b>77.40</b>
5800	4 x 600 mL	<b>382-16218</b>	<b>95.65</b>
<b>Stainless Steel</b>			
8800	6 x 600 mL	<b>382-10407</b>	<b>185.40</b>

**Beakers for Bransonic\* Ultrasonic Cleaning Baths**

- Beakers designed to maximize the effectiveness of Bransonic\* baths
- It is important that parts do not rest on the bottom of the bath, as it can inhibit the ultrasonic activity and possibly damage the unit
- When used in conjunction with a beaker positioning cover†, beakers are ideal for cleaning small parts
- Indirect cleaning method is ideal for sample preparation
- Discarded soil cleans easily from the beaker



†Available separately, see “Beaker Positioning Covers for Bransonic\* Ultrasonic Baths”

Material	Capacity (mL)	Catalog No.	Each
Glass	250	<b>382-10245</b>	<b>30.10</b>
Polypropylene	400	<b>382-10251</b>	<b>40.95</b>
Glass	600	<b>382-10248</b>	<b>36.05</b>
Stainless Steel	600	<b>382-10254</b>	<b>77.40</b>

**DID YOU KNOW?**

Approximately 75% of all particles in a controlled environment like a cleanroom come from people in them. Particles can come in the form of dust, skin, makeup, perfume and bacteria, just to name a few.

**Contec\* PREMIRA\* HighDuster Covers and Snake Duster**

- Compatible with most dusting wands
- Efficient and effective choice for hard to reach, critical surfaces
- The circular knit fabric allows for quick pick-up of dust and debris on ceiling vents, equipment arms, and lights
- Use the duster saturated with a cleaner-disinfectant or dry
- The textured surface does not lint or risk cross-contamination
- Adaptor (Cat. No. 121-86492) connects Snake Duster (Cat. No. 121-86495) to QuickConnect handles (sold separately)



Description	Catalog No.	Each	Pkg of 25	Qty/Case	Case
HighDuster Covers	121-86498	—	45.00	250	327.25
Snake Duster	121-86495	73.25	—	6	383.65
Adaptor	121-86492	87.30	—	—	—

**Contec\* QuickConnect\* Mop Handles**

- These stainless steel and anodized aluminum handles are autoclavable and useful for a variety of cleaning tasks
- QuickConnect\* handles install easily onto the Snake Duster



Material	Catalog No.	Each
Stainless Steel	121-86339	85.10
Anodized Aluminum	121-86477	140.00

**Contec\* EasyReach\* Cleaning Tool & Cleaning Pads**

- Designed to clean isolators, laminar air flow hoods, cabinets, glove boxes, and other confined spaces
- Made from lightweight 304 stainless steel making it easy to use with one hand
- Can be autoclaved or cold sterilized
- A swivel joint allows the mop head to pivot, enabling users to easily reach corners, ceilings, walls, and other hard-to-reach areas inside an isolator
- Approximately 17 in. (43 cm) long
- Includes a specially designed hanging hook for securing inside the isolator
- Use with sterile, dry, quilted polyester EasyReach\* Cleaning Pads (Cat. No. 121-86177)
- Pads are packed 4/bag; 15 bags/case



Description	Catalog No.	Each	Case of 60
EasyReach* Cleaning Tool	121-86174	147.80	—
EasyReach* Cleaning Pads, Sterile	121-86240	—	381.80

**Berkshire\* EasyClean\* 360 Isolator Cleaning Tool**

- Lightweight, maneuverable cleaning tool for efficient cleaning of compounding isolators, biological safety cabinets, laminar flow hoods, and other mini-environments critical to the quality and purity of compounded products
- Durable, mirror finish, stainless steel mop head swivels 360° for easy maneuverability
- Head can be locked for 180° swivel when desired
- 4 x 7 in. (10 x 18 cm) triangular head shape allows for improved access in tight corners
- Two lightweight anodized aluminum handles included — 14 in. (35 cm) and 24 in. (61 cm)
- Optional telescoping handle 37 to 71 in. (95 to 180 cm) available separately (Cat. No. 518-60203)
- Quick connect handle mechanism for easy attachment after pass-through
- Mop head and handles can be sterilized by autoclave or gamma irradiation



Catalog No.	Each
518-60272	230.35

**Berkshire\* EasyClean\* 360 Elastic Isolator Cleaning Tool Covers**

- Covers for use with the EasyClean\* 360 Isolator Cleaning Tool (sold separately, Cat. No. 518-60272)

**Elastic Covers:**

- Made from Berkshire's Super Polx\* 1200 continuous filament polyester wiping material
- Laundered and packaged in an ISO Class 4 (Class 10) cleanroom for superior fiber, particle, and residue performance
- Cover is non-shedding and low-linting
- Stretch fabric and elastic edge allow easy installation and secure fit on the mop head
- Recommended for use with the EasyClean\* 360 Padded Cover (included, see below)
- Absorbent knit is abrasion resistant and durable to a wide range of cleaning solutions
- Non-sterile (autoclavable) and validated sterile versions available



**Padded Covers:**

- 100% continuous filament knitted padded covers are laundered and packaged in an ISO Class 4 (Class 10) cleanroom
- Foam-free cushioned design ensures even surface coverage with reduced residues and contaminants
- Easy-to-install covers fit securely and stay in place during use
- Autoclavable

Includes	Sterility	Catalog No.	Pkg of 25	Qty/Case	Case
25 elastic covers and 1 padded cover per pack, 6 packs/case	Non-sterile	518-60269	84.30	150	429.00
10 elastic covers and 1 padded cover per bag; 4 bags/pack; 5 packs/case	Sterile	518-60278	—	220	915.75

To Order – Call 800.772.8786

**Berkshire\* EasyClean\* 360 Non-woven Isolator Cleaning Tool Covers**

- Double-ply 55% polyester / 45% cellulose covers for use with EasyClean\* 360 Isolator Cleaning Tool (Cat. No. 518-60272)
- 100% non-woven rayon inner layer for added absorbency
- An elastic edge enables a secure fit on the isolator cleaning tool head during use
- The cover is cut and sewn
- Autoclavable
- Recommended for ISO Class 5-8 or EU Grade A/C environments



Catalog No.	Pkg of 5	Case of 200
518-60275	26.30	465.20

**Berkshire\* Choice\* Cleanroom Mop Handle & Clamp Set**

- Accommodates most string and loop mop head sizes
- Lightweight anodized aluminum handle offers a good strength-to-weight ratio
- Latch-style, swing-away bar clamp system makes it quick and easy to change mop heads (sold separately)
- Recommended for ISO Class 5-8; cleanroom class 100-100,000



**Handle:**

- Anodized aluminum handle with blue polypropylene hand grip
- Fixed length at 56 inches (140 cm)
- Lightweight
- Easily connects to clamp—snap lock
- Corrosion and chemical resistant
- Not autoclavable

**Clamp:**

- Blue polypropylene mop clamp
- Latch-style swing-away bar for quick and easy mop head changes
- Easily connects to handle—snap lock
- Corrosion and chemical resistant
- Autoclavable

Catalog No.	Each
518-60248	30.40

**Berkshire\* Choice\* Microfiber Cleanroom Mop Head**

- White 88% polyester / 12% nylon microfiber string mop with blue headband and tailband
- Microfiber technology enables dirt and liquids to be “picked up” rather than just “pushed around,” making it ideal for floor cleaning in critical environments
- Woven microfibers create a surface area covered with millions of spaces between the fibers to trap moisture, dirt, and debris
- Terry knit structure enhances absorbency to increase efficiency
- Tubular knit construction with sewn head and tail bands provides added durability
- Lot number assures traceability
- Chemical resistant and non-abrasive
- Autoclavable
- Can be laundered and re-used
- Works with most standard loop mop frames and bucket/wringer systems
- Machine washable in warm soapy water (Do not exceed 150°F/65°C)
- Tumble dry low (Do not exceed 140°F/60°C)
- Up to 10% bleach solution can be used without harming the fabric



Catalog No.	Case of 24
518-60245	381.70

**Berkshire\* BCR\* Mop Head Non-woven Polyester**

- Designed for the easy removal of contamination from floors and the distribution of disinfectants
- Looped-end, fan-tail construction minimizes particle generation
- Laundered and packaged in an ISO Class 4 cleanroom
- Lot number on each pack ensures traceability
- Chemical and abrasion resistant
- Low particulate and fibers
- Each mop head is individually packaged
- 100% non-woven polyester
- Soft, non-abrasive
- Disposable
- Economic and highly absorbent
- Autoclavable
- Recommended for ISO Class 5-8, cleanroom class 100-100,000



Catalog No.	Each	Case of 12
518-31099	42.90	363.50

**Berkshire\* BCR\* Mop Head Knitted Polyester**



- Designed for the easy removal of contamination from floors and the distribution of disinfectants
- Tubular knit, looped-end, fan-tail construction minimizes particle generation
- Laundered and packaged in an ISO Class 4 cleanroom
- Lot number on each pack ensures traceability
- Chemical and abrasion resistant
- Low particulate and fibers
- Each mop head is individually packaged
- 100% knitted polyester
- Autoclavable per standard operating procedures
- Can be laundered and re-used
- Recommended for ISO Class 3-5; cleanroom class 1-1,000 environments
- Irradiated version (Cat. No. 518-60182); Certificates of Irradiation are available by Item # and Lot #

Sterility	Catalog No.	Each	Case of 12
Non-sterile	518-29284	52.80	447.70
Sterile	518-60182	—	551.85

**Berkshire\* BCR\* Large Flat Mop Head Frame with Springs**



- Designed for the easy removal of contamination from floors and the distribution of disinfectants
- Lightweight anodized aluminum frame construction
- 360° swivel head with locking mechanism
- The mop head is light and easy to maneuver, even with wet wipes attached (wipes sold separately)
- Stainless steel springs hold multiple mop wipes in place and are very easy to operate
- The bottom of the mop is smooth and has no lines or grooves where bacteria or other contamination can settle
- Clean, light, and durable
- Autoclavable

Catalog No.	Each
518-60185	95.25

**Berkshire\* BCR\* Small Flat Mop Head Frame with Plastic Eyes**



- Designed for the easy removal of contamination from floors and the distribution of disinfectants
- Lightweight anodized aluminum frame construction
- 360° swivel head with locking mechanism
- Large plastic eyes make for easy gripping and change over of mop cloths†
- The mop head is light and easy to maneuver, even with wet wipes† attached
- The bottom of the mop is smooth and has no lines or grooves where bacteria or other contamination can settle
- Clean, light, and durable
- Autoclavable

†Cloths and wipes sold separately

Catalog No.	Each
518-60191	92.65

**Berkshire\* BCR\* Large Flat Mop Head Frame with Plastic Eyes**



- Designed for the easy removal of contamination from floors and the distribution of disinfectants
  - Lightweight anodized aluminum frame construction
  - 360° swivel head with locking mechanism
  - Large plastic eyes make for easy gripping and change over of mop cloths†
  - The mop head is light and easy to maneuver, even with wet wipes† attached
  - The bottom of the mop is smooth and has no lines or grooves where bacteria or other contamination can settle
  - Clean, light, and durable
  - Autoclavable
- †Cloths and wipes sold separately

Catalog No.	Each
518-60197	98.95

**Berkshire\* BCR\* Flat Mop Handle**



- Designed for use with Berkshire's BCR\* mop frames and isolator cleaning tool
- Anodized aluminum handle is very strong, but lightweight
- Telescopic handle extends from 37 to 71 in. (95 to 180 cm)
- Autoclavable

Catalog No.	Each
518-60203	75.10

**Berkshire\* MicroSeal SuperSorb\* Flat Mop Replacement Covers**



- Thick, two-ply bonded, 100% polyester dry wipe with a sealed edge
- Designed to fit BCR\* Flat Mop Frames (Cat. No. 518-60185, 518-60191, and 518-60197)
- Laundered and packaged in ISO Class 4 (Class 10) cleanrooms
- Recommended for ISO Class 3 and above
- Lot number on each pack for traceability
- Vacuum packed and double packed

Size (in.)	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
8 x 12	128-29536	50	62.65	600	625.35
8 x 24	128-29539	25	62.65	300	625.35

To Order – Call 800.772.8786

**Berkshire\* Durx\* 670 Flat Mop Covers**

- These replacement covers are designed to fit BCR\* Flat Mop Head Frames (Cat. No. 518-60185, 518-60191, and 518-60197)
- More than one wipe can be attached to the mop head at a time
- After mopping the area, the outer wipe can be disposed of and the remaining wipes are ready for the next mopping phase
- This guarantees a fresh wipe is used for each new phase, maximizing the efficiency of the cleaning
- Recommended for use in ISO Class 5-8 (Class 100-100,000) cleanrooms
- Hydroentangled 55% cellulose / 45% polyester
- Very absorbent and low in particles and fibers
- Smooth and durable with no secondary binders
- Lot number on each pack for traceability



Size (in.)	Catalog No.	Pkg of 100	Qty/Case	Case
8 x 12	<b>518-60263</b>	<b>28.25</b>	2000	<b>249.35</b>
8 x 24	<b>518-60266</b>	<b>35.30</b>	1000	<b>249.35</b>

**Berkshire\* Double Sided Flat Mop Holder**

- This 16 in. mop head replicates the most effective way to clean and disinfect surfaces - wiping
- Double sided holders are easy to use, lightweight, and maneuverable for quick and effective cleaning in both large and small production areas
- The unique double sided design allows operators to clean approximately twice the surface area of a conventional flat mop before changing or re-saturating the mop head†, improving cleaning efficiency and reducing cleaning time
- Attach and remove the mop cover‡ without bending
- Extremely maneuverable with a 360° swiveling head and flat profile
- Edge mounted handle design perfect for cleaning baseboards
- Durable, autoclavable plastic



†Mop Covers and Telescoping Handle are sold separately

Catalog No.	Each
<b>518-60209</b>	<b>107.60</b>

**Berkshire\* Double Sided Flat Mop Covers**

- Specially designed mop covers for use with the Cleanroom Double Sided Flat Mop (sold separately, Cat. No. 518-60209)
- 10 x 18 in. covers are available in both disposable non-woven and re-launderable foam/polyester knit composite
- The mop covers allow the mop head to conform to the surface being cleaned, and ensures thorough particle and contaminant removal, even on uneven surfaces



**Non-woven Cover Composition and Advantages:**

- 68 gsm polyester/cellulose outer cover
- 100% rayon non-woven inner layers provide superior absorbency
- Captures and removes contaminants during the cleaning process
- High tear strength
- Each cover is individually wrapped to preserve cleanliness
- Autoclavable and compatible with gamma and ETO sterilization

**Foam Cover Composition and Advantages:**

- Abrasion resistant polyester knit cleanroom fabric laminated to absorbent polyurethane foam
- Laser cut and cleanroom laundered to minimize fiber and particle release
- 10 mm thickness provides cushioned surface for optimum conformance to uneven floors
- High absorbency capacity
- Compatible with a wide range of chemicals, disinfectants, and cleaners
- Autoclavable and compatible with gamma and ETO sterilization

Description	Catalog No.	Pkg of 4	Qty/Case	Case
Non-woven Covers	<b>518-60284</b>	<b>31.75</b>	96	<b>527.80</b>
Foam Covers	<b>518-60290</b>	<b>54.50</b>	80	<b>755.30</b>

**Berkshire\* Ergonomic Flat Mop Holder**

- This 4 x 16 in. versatile flat mop holder is suitable for almost all application areas
- V-shape makes insertion of the holder into the pouches of the mop cover easy†
- Ergonomic working hand-switch opening
- No touching of soiled mop covers‡ when discarding
- Optimum contact of the holder for very good particle removal
- Lightweight construction makes it ideal for cleaning walls and ceilings
- Extremely maneuverable and smooth-running holder
- Autoclavable
- Detachable wipe clips allow the use of disposable mop wipes in addition to the foam or non-woven mop covers‡



†Mop Covers, Mop Wipes, and Telescoping Handle are sold separately

Catalog No.	Each
<b>518-60236</b>	<b>94.50</b>

**DID YOU KNOW?**

One square inch of hand surface can contain 10,000 microorganisms.

**Berkshire\* Ergonomic Flat Mop Covers**

- Specially designed mop covers for use with the Ergonomic Cleanroom Flat Mop (Cat. No. 518-60236)
- 4.5 x 15 in. covers are available in both disposable non-woven and re-launderable foam/polyester knit composite
- The mop covers allow the mop head to conform to the surface being cleaned
- Ensures thorough particle and contaminant removal, even on uneven surfaces
- Mop wipes (sold separately) can be used in conjunction with the absorbent foam or non-woven covers, increasing durability of the mop cover and reducing the need for frequent mop cover changes



**Non-woven Cover Composition and Advantages:**

- 68 gsm polyester/cellulose outer cover
- 100% rayon non-woven inner layers provide superior absorbency
- Captures and removes contaminants during the cleaning process
- High tear strength
- Each cover is individually wrapped to preserve cleanliness
- Autoclavable and compatible with gamma and ETO sterilization

**Foam Cover Composition and Advantages:**

- Abrasion resistant polyester knit cleanroom fabric laminated to absorbent polyurethane foam
- Laser cut and cleanroom laundered to minimize fiber and particle release
- 10 mm thickness provides cushioned surface for optimum conformance to uneven floors, walls and ceilings
- High absorbency capacity
- Compatible with a wide range of chemicals, disinfectants, and cleaners
- Autoclavable and compatible with gamma and ETO sterilization

Description	Catalog No.	Pkg of 10	Qty/Case	Case
Non-woven Covers	518-60281	39.40	200	546.00
Foam Covers	518-60287	54.70	120	546.00

**Berkshire\* Ergonomic Flat Mop Wipes**

- Specially designed mop wipes for use with the Ergonomic Cleanroom Flat Mop (Cat No. 518-60236)
- Mop wipes can be used in conjunction with the absorbent foam or non-woven covers (sold separately), increasing durability of the mop cover and reducing the need for frequent mop cover changes



**2 Choices Available:**

- Sealed Edge Laundered Knit - lightweight, tight knit construction, low abrasion, limits picking and snagging
- 2-ply Sealed Knit - highly absorbent, suitable for critical spill control and cleanroom cleaning applications

Description	Catalog No.	Qty/Pkg	Pkg	Qty/Case	Case
Sealed Edge Laundered Knit	518-60293	50	55.15	500	389.55
2-ply Sealed Knit	518-60296	25	61.35	250	520.35

**Berkshire\* Cleanroom Mop Telescoping Handles**

- Lightweight telescoping mop handle for use with Double Sided Flat Mops (Cat. No. 518-60209) and Ergonomic Flat Mops (Cat. No. 518-60236)
- Durable anodized aluminum with polypropylene grip
- Fully autoclavable



Catalog No.	Each
518-60221	60.50

**Berkshire\* Cleanroom Mop Cart with Buckets**

- Cart is made of high quality stainless steel and is fully autoclavable
- Locking casters provide stability during use
- Ergonomically designed handle serves as a rest for the mop handle and makes the cart easy to maneuver in tight production areas
- Two 20 liter polypropylene buckets are color coded blue and red to differentiate between clean and dirty solutions
- Internal bucket graduations help ensure correct mixing of cleaning and disinfecting solutions



Catalog No.	Each
518-60227	500.85

**Berkshire\* Cleanroom String Mop Wringer**

- Wringer is made of durable plastic
- Suitable for the one-step wet cleaning process
- For use with Cleanroom Mop Cart with Buckets (Cat. No. 518-60227)



Catalog No.	Each
518-60230	317.20

**Berkshire\* Ergonomic Flat Mop Wringer**

- Wringer is made of high quality stainless steel
- Suitable for the one-step wet cleaning process
- For use with Cleanroom Mop Cart with Buckets (Cat. No. 518-60227)



Catalog No.	Each
518-60242	528.70

To Order – Call 800.772.8786

**Berkshire\* Double Sided Mop Wringer**

- Wringer is made of durable plastic
- Suitable for the one-step wet cleaning process
- For use with Cleanroom Mop Cart with Buckets (Cat. No. 518-60227)



Catalog No.	Each
518-60215	528.70

**Scienceware\* Plum pH Neutralizing and Sterile Eyewash Station**

- Station supplied with 200 mL sterile pH neutralizing solution and 500 mL sterile saline eyewash
- Especially suited for environments where there is a risk of eye injuries from acids or alkalis
- The station is equipped with a mirror and clear instructions for use
- The 200 mL sterile pH bottle contains 4.9% sterile phosphate buffer solution that quickly neutralizes acids and alkalis and restores the eye's natural pH balance within 20 seconds or less
- The 500 mL sterile saline contains 0.9% sterile sodium chloride solution
- Both refill bottles are provided with a flexible, form fitting eye cup, a dust cap, and clear instructions that can be used alone
- Rinsing time: Approximately 2 minutes for pH neutralizing solution and 5 minutes for sterile saline eyewash
- Complies with ANSI standards
- NDC number and expiration date printed on every bottle



Description	Catalog No.	Each	Pkg of 3
Eyewash Station	304-22231	74.90	—
200 mL pH Neutralizing Bottles	304-22234	—	62.10
500 mL Sterile Saline Bottles	304-22237	—	55.15

**Porta Stream\* I Portable Gravity Fed Eyewash Station**

- Provides 6 minutes of uninterrupted, hands-free flushing
- Unit is suitable for nuisance situations such as dust or particle flushing where a 15 minute flushing device is not a requirement
- The eyewash station comes with a 70 ounce Sperian saline concentrate which provides 6 gallons of solution when mixed with tap water
- Sturdy, one-piece molded unit features simple, highly visible instructions
- Unit can be mounted on a wall using single bracket mounting device or it can be transported with an optional universal cart or stand (not included)
- Large fill hole simplifies refilling and cleaning
- Intended to support, not replace, primary eyewash devices



Catalog No.	Each
211-11546	359.35

**Porta Stream\* II Portable Gravity Fed Eyewash Station**

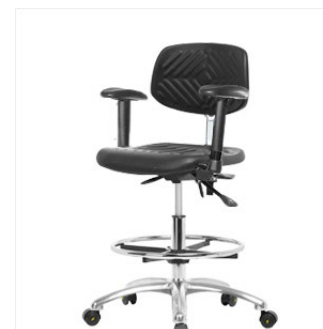
- Eyewash station with a nozzle strap
- Large 16 gallon (60.5 L) capacity allows thorough flushing by rendering 0.4 gpm over the entire 15 minute flushing period
- The unit comes with a 180 oz Sperian saline concentrate
- Unit can be easily placed near most workplace hazards with single bracket mounting device
- Sturdy, molded unit features simple, highly visible instructions
- When properly installed, the system may be safely leaned upon during use
- Efficient full flow nozzle provides a wide area around the eye
- Large fill hole simplifies refilling and cleaning
- Intended to support, not replace, primary eyewash devices



Catalog No.	Each
211-16673	511.30

**Spectrum\* Polyurethane Cleanroom/ESD Chairs**

- These chairs feature proper grounding, conductive, and dissipative static control materials and have been tested to meet ANSI/ESD-STM-12.1-2006 & Fed Std.209E and ISO 14644-1 requirements (Class 100/ISO Class 5)
- 6-way adjustable arm rests† support a variety of arm placements for proper ergonomics
- Polyurethane chairs are fully washable
- Chrome hooded, non-marring casters on a polished cast aluminum base
- Optional seat tilt provides 8° forward and 3° backward locking tilt for ergonomic posture support
- 20 in. diameter chrome foot ring†
- Medium bench height (19½ to 27½ in.)
- Seat dimensions: 16 x 17 x 1½ in.
- Back dimensions: 15½ x 10¼ x 1 in.
- Base: 26 in.
- Weight capacity: 300 lbs
- Each ergonomic cleanroom chair is backed by a 15-year warranty, lifetime on the pneumatic lift



†Additional chair options are available online at [www.spectrumchemical.com](http://www.spectrumchemical.com)

Seat Tilt	Color	Catalog No.	Each
Tilt	Black	700-48432	900.00
No Tilt	Black	700-48456	852.00

**Spectrum\* Vinyl Cleanroom/ESD Chairs**

- These chairs have been tested to Fed Std.209E, ISO 14644-1 (Class100/ISO Class 5), and ANSI/ESD-STM-12.1-2006 standards and feature proper grounding, conductive, and dissipative static control materials
- Ergonomic benefits include a contoured waterfall seat cushion and an adjustable back rest with lumbar support for increased comfort during extended sitting durations
- Vinyl chairs are constructed of highly durable molded polyurethane foam cushioning covered with easily cleaned static-dissipating vinyl†
- High bench height (26 to 35½ in.)
- No seat tilt; no arms††
- 20 in. diameter chrome foot ring
- ESD casters on a polished cast aluminum base
- Seat dimensions: 19 x 18 x 2½ in.
- Back dimensions: 15½ x 11½ x 2½ in.
- Base: 26 in.
- Weight capacity: 300 lbs
- Each ergonomic chair is backed by a 15-year warranty, lifetime on the pneumatic lift



†Chairs shipping to California or Massachusetts may be subject to state mandated fire treatment and may be subject to an up-charge

††Additional chair options are available online at [www.spectrumchemical.com](http://www.spectrumchemical.com)

Seat Tilt	Color	Catalog No.	Each
No Tilt	Black	<b>700-48678</b>	<b>729.00</b>
No Tilt	Blue	<b>700-48681</b>	<b>729.00</b>

**Spectrum\* Basic Cleanroom/ESD Chrome Chairs**

- These chairs have been tested to Fed Std.209E, ISO 14644-1 (Class10/ISO Class 4), and ANSI/ESD-STM-12.1-2006 standards and feature proper grounding, conductive, and dissipative static control materials
- Desk height (18 to 23 in.)
- ESD casters on a polished cast aluminum base
- Available in 2 static-dissipating color configurations†
- Seat dimensions: 19 x 18 x 2½ in.
- Back dimensions: 15½ x 11½ x 2½ in.
- Base: 26 in.
- Weight capacity: 300 lbs
- No seat tilt, arms, or foot ring††
- Each ergonomic Cleanroom/ESD chair is backed by a 15-year warranty, lifetime on the pneumatic cylinder



†Chairs shipping to California or Massachusetts may be subject to state mandated fire treatment and may be subject to an up-charge

††Additional chair options are available online at [www.spectrumchemical.com](http://www.spectrumchemical.com)

Seat Tilt	Color	Catalog No.	Each
No Tilt	Black	<b>700-48354</b>	<b>639.00</b>
No Tilt	Blue	<b>700-48357</b>	<b>639.00</b>

**Spectrum\* Polyurethane Cleanroom Chrome Stool**

- Ergonomic polyurethane stools featuring a 360° all-around adjustment ring that can be operated from any position
- Tested by an independent laboratory to Fed Std.209E and ISO 14644-1 requirements (Class 10/ISO Class 4)
- Medium bench height (18 to 26 in.)
- Seat dimensions (dia. x H): 12½ x 2 in.
- Base: 26 in.
- Weight capacity: 300 lbs
- Constructed from rugged polyurethane that is self-skinning, chemical- and puncture-resistant, and fully washable
- Choice of chrome-hooded casters or black glides on a polished cast aluminum base
- Each ergonomic stool is backed by a 15-year warranty, lifetime on the pneumatic cylinder



Casters/Glides	Catalog No.	Each
Casters	<b>700-42144</b>	<b>267.00</b>
Glides	<b>700-42147</b>	<b>267.00</b>

**Steel Foot Stool with Rubber Mat**

- Chrome foot stool features 17 weld points for enhanced strength and a non-slip rubber mat
- Comes with non-slip rubber tips which provide additional safety
- Seat size: 12 x 16 in.
- Steel frame with chrome finish
- Height: 8¼ in.
- Load capacity: 350 lbs maximum



Catalog No.	Each
<b>650-10570</b>	<b>56.15</b>

**DEACTIVATION**

Deactivation is the process that renders a compound or hazardous drug inert or inactive. There is no one method proven for deactivating all compounds. The ultimate goal should be complete surface decontamination. Products that have known deactivation properties (EPA-registered oxidizing agents that are appropriate for intended use) should be used when possible. Use care when selecting materials for deactivation due to potential adverse effects such as hazardous byproducts, respiratory effects and caustic damage to surfaces.

**Labconco\* Purifier\* Axiom\* C1\* Biosafety Cabinets**

- Omni-Flex\* two operation mode design: Type A and Type B
- Dual Electronically Commutated Motors (ECM)
- Constant Airflow Profile\* (CAP) Technology airflow monitoring system
- Low static pressure and volumetric rate exhaust requirements (Type B mode)
- No dedicated exhaust system per BSC required
- Air-Wave\* Entry System
- Contain-Air\* Negative Pressure Channel
- MyLogic\* Operating System that controls Smart-Start\* System
- Night-Smart\* System for idling the blower (Type A mode only)
- Built-in interval or elapsed timer (controls UV on models with UV; otherwise, controls fluorescent light)
- Digital clock
- Bright, 90 - 150 footcandle, glare-free fluorescent lighting
- Active Protection Protocol
- Fully scannable exhaust and supply HEPA filters are 99.99+% efficient
- Electronic security lock (optional activation)
- Intrinsically safe negative pressure design
- Stainless steel inlet grille with Reserve-Air\* Secondary Airflow Slots
- Leak-tight stainless steel interior
- Full color LCD information center with MyLogic\* programming
- Fully closing, clear 1/4 in. tempered safety glass sash
- 22.6 in. (58 cm) maximum sash opening height
- 27.0 in. (69 cm) viewing height
- 10° angled sash with counterbalanced, anti-racking mechanism
- Two operational ADA-compliant sash heights
- Waterfall design curved inlet grille forearm support
- Removable, Type 304 stainless steel, 3-piece work surface included
- ADA-compliant touchpad control
- Flush-mounted stainless steel electrical receptacle covers with dampened hinges

- Chem-Zone\* work area with dedicated direct exhaust
- Powder-coated steel exterior
- NSF International-Listed and modified ASHRAE 110 compliant
- ETL listed
- Class 5 conditions per ISO 14644-1 and -2 (formerly Class 100)



**Options:**

- North America, 115V, 20A electrical receptacle and plug (two electrical receptacles, located on each side, GFCI)
- Unassembled, NSF-Approved, powder-coated steel telescoping base stand with fixed feet†
- Accessory Package: 254 nm UV lamp, ADA-compliant service fixture(s) with ball-type valve(s), and NSF-Approved Vacu-Pass\* Cord & Cable Portal
- 10 in. diameter stainless steel airtight manual damper (recommended if connected to exhaust in Type B mode)
- Cat. No. 496-50776 and 496-50779 include the Bag-In/Bag-Out HEPA filter exchange system which allows filters to be replaced while maintaining containment of hazardous materials. It provides full hazard containment while reducing room air requirements on cleanrooms (compared to Class II, Type B2 BSCs). Does not include a UV light.

†Supporting Base Stand required if not included, please see “Labconco\* Non-Welded Telescoping Base Stands”

Width (ft.)	Sash Opening (in.)	Inflow Velocity (fpm)	Downflow Velocity (fpm)	Shipping Weight (lbs)	Catalog No.	Each
<b>Cabinet Only</b>						
4	8	105	65	750	496-49987	15171.40
4	10	105	65	750	496-50011	15171.40
6	8	105	55	1075	496-50035	18097.70
6	10	105	55	1075	496-50059	18097.70
<b>with Base Stand</b>						
4	8	105	65	835	496-49993	15864.65
4	10	105	65	835	496-50017	15864.65
6	8	105	55	1175	496-50041	18825.10
6	10	105	55	1175	496-50065	18825.10
<b>with UV Light, Service Fixture(s), and Vacu-Pass Portal</b>						
4	8	105	65	750	496-49990	15853.30
4	10	105	65	750	496-50014	15853.30
6	8	105	55	1075	496-50038	18779.65
6	10	105	55	1075	496-50062	18779.65
<b>with UV Light, Service Fixture(s), and Vacu-Pass Portal, and Base Stand</b>						
4	8	105	65	835	496-49996	16546.50
4	10	105	65	835	496-50020	16546.50
6	8	105	55	1175	496-50044	19506.90
6	10	105	55	1175	496-50068	19506.90
<b>with Bag-In/Bag-Out HEPA Filter Exchange System and Base Stand</b>						
4	10	105	65	835	496-50776	16042.00
6	10	105	55	1175	496-50779	19297.20

**Labconco\* Non-Welded Telescoping Base Stands**

- Supports Labconco\* Purifier\* Axiom\* Biosafety Cabinets
- NSF-approved; meets NSF Standard for stability and construction
- Supports loads up to 1000 pounds
- ADA-compliant
- Durable 1<sup>3</sup>/<sub>4</sub> in. tubular, powder-coated steel frame with back panel support
- Telescoping legs are adjustable to eight height positions at installation in 1 in. (2.5 cm) increments to provide a working height from 30 in. (76 cm) to 37 in. (94 cm)†
- 9 in. (23 cm) shelf is included
- Four fixed leveling feet are provided
- Easily assembled with simple hand tools



†Height selection and adjustment are required before the enclosure is installed on the stand

Width (ft.)	Depth (in.)	Height (in.)	Shipping Weight (lbs)	Catalog No.	Each
3	29	30 to 37	115	496-49423	715.95
4	29	30 to 37	125	496-49426	761.45
5	29	30 to 37	133	496-49429	801.20
6	29	30 to 37	149	496-49432	841.00

**Labconco\* Seismic Support Bracket Kit**

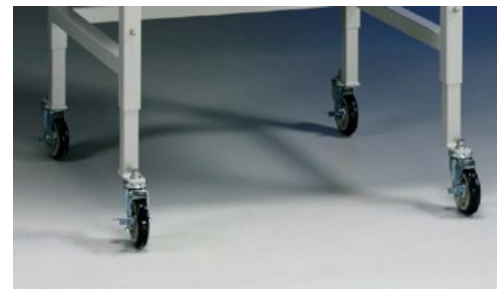
- For securing a Telescoping Base Stand to the floor in earthquake-prone regions
- Includes four stainless steel seismic brackets and hardware for attachment to the stand
- Hardware to attach to the floor and installation are required (not included)



Catalog No.	Each
496-48154	291.85

**Labconco\* Caster Kit for Telescoping Base Stands with Fixed Feet**

- For converting Telescoping Base Stands with fixed feet to mobile stands
- Kit includes four 5 in. diameter, non-marking polyurethane casters with toe locks
- Load rating for each caster is 250 pounds
- Casters have bearings for quiet operation, and replace the fixed feet included with Telescoping Base Stands
- They add 11 in. (28 cm) to the overall depth of the base stand
- Installation required



Catalog No.	Each
496-50713	414.90

To Order – Call 800.772.8786

**Labconco\* Coated Steel Belt Driven Blowers**

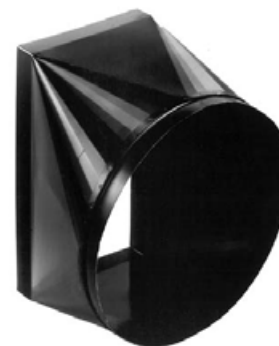
- Required for Type C1 cabinets operated in Type B mode unless house exhaust is used
- Phenolic-coated impeller and housing
- Powder-coated steel base and weather cover
- Belt-drive motor with adjustable sheave and self-adjusting gravity belt tightener
- Inlet I.D.: 10.9 in.
- Outlet (Dia. x W): 5.5 x 10 in.
- Requires a Blower Transition Adapter (Cat. No. 346-14950) for connection to 10 in. duct (call for details)



HP	Electrical Requirements	RPM Range	Shipping Weight (lbs)	For Use With	Catalog No.	Each
<b>Standard, 10 in. inlet</b>						
1/6	115V, 60 Hz, 4A	529 to 807	92	4 ft. models	<b>346-16834</b>	<b>2125.15</b>
1/4	115V, 60 Hz, 4.4A	752 to 1067	92	6 ft. models	<b>496-21058</b>	<b>2255.85</b>
<b>Explosion Proof, 10 in. inlet</b>						
1/6	115V, 60 Hz, 3.15A	529 to 807	100	4 ft. models	<b>346-16837</b>	<b>2943.40</b>
1/4	115V, 60 Hz, 4.5A	752 to 1067	100	6 ft. models	<b>346-16840</b>	<b>3045.60</b>

**Labconco\* Blower Transition Adapter**

- Epoxy-coated steel transition adaptor
- Allows you to connect thermoplastic duct to the exhaust side of a blower to create an exhaust stack
- 10 in. PVC duct fits inside the adapter opening



Catalog No.	Each
<b>346-14950</b>	<b>353.25</b>

**Labconco\* 10 in. Airtight Damper**

- Recommended for Axiom\* Class II, Type C1 Biosafety Cabinets
- Mounts atop the duct collar to adjust exhaust airflow and closes for decontamination procedures
- Manually adjustable
- Type 304 stainless steel
- 10 in. (25.4 cm) high with 10 in. (25.4 cm) diameter O.D. inlet and outlet



Catalog No.	Each
<b>496-27848</b>	<b>869.35</b>

**Labconco\* 10 in. I.D. Flexible Hose Kits**

- For connection between the Airtight Damper (sold separately, Cat. No. 496-27848) and exhaust ductwork to limit vibration from the mechanical system
- 10 in. nominal diameter
- Includes spiral flexible tubing and clamps



Length (ft.)	Catalog No.	Each
1	346-16753	184.15
3	496-49405	486.45
6	496-49408	960.25
10	496-49411	1437.55

**Labconco\* HEPA Exhaust and Supply Filters**

- Replacement supply and exhaust HEPA filters for use with Purifier\* Axiom\* Biosafety Cabinets



For Use With	Shipping Weight (lbs)	Catalog No.	Each
<b>Supply Filter</b>			
4 ft. models	70	346-28307	888.15
6 ft. models	105	346-28310	1164.00
<b>Exhaust Filter</b>			
4 ft. models	50	346-28313	993.00
6 ft. models	91	346-28316	1279.90

**Labconco\* Replacement Bag for Bag-in/Bag Out HEPA/ULPA Filters**

- Replacement Bag for Bag-in/Bag Out HEPA/ULPA Filters (sold separately)
- Bag set includes two bags and two straps necessary for changing and disposing of one inlet or outlet filter



For Use With	Dimensions C x L (in.)	Shipping Weight (lbs)	Catalog No.	Each
2 ft. models	48 x 54	5	636-10010	323.15
3 & 6 ft. models	73 x 96	7	636-10013	318.55
4 ft. models	96 x 96	9	636-10016	323.15
5 ft. models	60 x 72	6	636-10019	323.15

**Labconco\* Service Fixture Kit**

- Includes serrated hose tip valve with ball valve, quarter turn control handle, and hardware
- Mounts on left or right side interior
- Cabinets are factory-prepared for up to four fixtures: two forward mounted 8.5 in. above surface and two back mounted 10 in. above surface
- For use with Purifier\* Axiom\* Biosafety Cabinets
- Installation is required



Catalog No.	Each
496-15217	122.70

**Labconco\* Vacu-Pass\* Cord and Cable Port Kit**

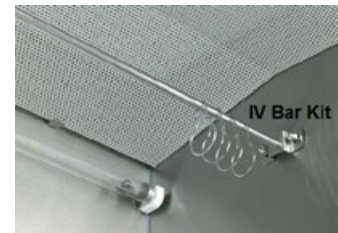
- Allows passage of a cable through the right-side interior wall to the exterior
- Includes 4 closed-cell neoprene plugs with holes for cords/cables with diameters of 1/8 in., 1/4 in., 3/8 in. and 1/2 in., and a blank plug
- NSF-approved port does not disrupt airflow or cause leakage
- For use with Purifier\* Axiom\* Biosafety Cabinets
- Installation is required



Catalog No.	Each
496-49420	203.85

**Labconco\* IV Bar Kits**

- Includes IV bars, mounting hardware, and four hangers
- For use with Purifier\* Axiom\* Biosafety Cabinets
- Installation is required

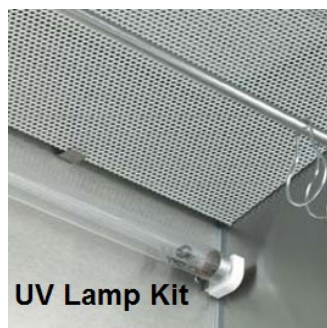


For Use With	Catalog No.	Each
3 ft. models	336-27247	136.70
4 ft. models	336-27250	160.95
5 ft. models	336-27253	185.35
6 ft. models	336-27256	208.45

To Order – Call 800.772.8786

**Labconco\* Ultraviolet Lamp Kits**

- Includes a 254 nm UV lamp and ballast
- For use with Purifier\* Axiom\* Biosafety Cabinets
- Installation is required



UV Lamp Kit

For Use With	Catalog No.	Each
4 ft. models	346-14287	359.05
6 ft. models	346-14290	254.80

**Labconco\* Sash-Glider Kit**

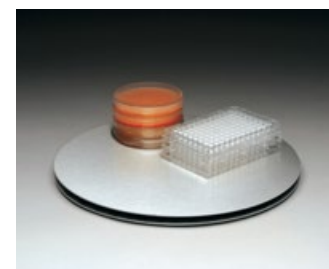
- Use the Sash-Glider to clean both sides of the sash while it remains closed, to avoid contamination risks
- Kit includes magnetic outside and inside blades, 2 microfiber sheets, and 10 disposable scrubbing strips
- Replacement Scrubbing Strips (Cat. No. 496-50698), package of 25
- For use with Purifier\* Axiom\* Biosafety Cabinets



Description	Catalog No.	Each
Sash-Glider Kit	496-50710	164.85
Sash-Glider Scrubbing Strips	496-50698	98.75

**Labconco\* Turntable**

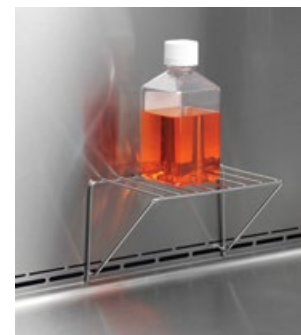
- “Lazy Susan” rotates 360° to bring items within easy reach
- Stainless steel surface and ball bearings
- 12 in. (30 cm) diameter
- Autoclavable
- For use with Purifier\* Axiom\* Biosafety Cabinets



Catalog No.	Each
496-50716	161.60

**Labconco\* Interior Shelf**

- Stainless steel shelf mounts to rear grille
- Provides 8 x 5 in. surface to place supplies
- Weight capacity of 2.2 lbs (1 kg)
- For use with Purifier\* Axiom\* Biosafety Cabinets



Catalog No.	Each
496-50719	46.15

**Labconco\* Cord Management System**

- Includes three mounting stainless steel hooks and three carabiners
- The hooks mount to the rear grille and the carabiners secure power cords and tubing along the rear wall to keep them contained and away from the work area
- For use with Purifier\* Axiom\* Biosafety Cabinets



Catalog No.	Each
496-50722	119.00

**DISINFECTION**

Disinfection is a process where many or all pathogenic microorganisms are removed or rendered non-viable. Disinfection has three different levels: high, intermediate, and low. High-level disinfection includes chemicals used for a shorter exposure time than normally required for sterilization. Intermediate-level disinfectants will kill most viruses, most fungi, mycobacteria, and vegetative bacteria. These disinfectants will not kill all bacterial spores. Low-level disinfectants will kill the majority of vegetative bacteria, some fungi, and some viruses. There are different levels of disinfection because the classes of microorganisms vary in resistance.

**Labconco\* Purifier\* Horizontal Clean Benches**

- Horizontal laminar flow
- Supplied HEPA filter is 99.99% efficient on 0.3 micron particles
- Double-gasket, negative pressure HEPA filter leak protection
- ISO Class 5 air (formerly Class 100 per Federal Standard 209E)
- Variable speed, built-in motor/blower(s) with vibration isolation pads
- Differential pressure gauge
- Type 304 brushed stainless steel work surface
- 1/4 in. thick tempered safety glass side panels have utility ports with iris openings
- UV-resistant, glacier white, powder-coated steel exterior
- Fluorescent lighting
- Front-mounted light and blower switches
- ETL Listing, UL/CSA C22.2 No. 61010-1 conformity
- 115V, 60 Hz, 6A (230 volt, 50/60 Hz models are also available)
- 1 year warranty on parts and service



**Options:**

- Factory-installed 254 nm UV lamp with UV screen and interlocking safety switch which allows operation only when blower and fluorescent light are off and UV screen is closed, to prevent inadvertent UV exposure while the bench is in operation
- UV lamp has a variable digital timer that provides timed UV light exposure in minutes of 5, 10, 15, 30, 60, 120, 240, and continuous
- UV screen acts as a barrier when the UV light is on and bench is not in use

**Required Accessory:**

- Supporting base (available separately, to order please see “Labconco\* Base Stands for Horizontal Clean Benches”)

Width (ft.)	Interior Depth (in.)	Exterior Dimensions W x D x H (in.)	Shipping Weight (lbs)	Catalog No.	Each
<b>Clean Bench</b>					
3	21	38 x 34 x 48.4	364	346-28172	7869.80
3	26	38 x 39 x 48.4	372	346-28175	8415.30
4	21	50 x 34 x 48.4	455	346-28166	9404.05
4	26	50 x 39 x 48.4	465	346-28169	10068.85
5	21	62 x 34 x 48.4	560	496-49474	10938.20
5	26	62 x 39 x 48.4	575	496-49477	11659.80
6	21	74 x 34 x 48.4	645	346-28154	12961.05
6	26	74 x 39 x 48.4	660	346-28157	13745.20
<b>Clean Bench with UV Light</b>					
3	21	39 x 34 x 48.4	364	496-49549	8545.95
3	26	39 x 39 x 48.4	372	496-49552	9085.85
4	21	51 x 34 x 48.4	455	496-49939	10154.05
4	26	51 x 39 x 48.4	465	496-49942	10813.15
5	21	63 x 34 x 48.4	560	496-49486	11762.10
5	26	62 x 39 x 48.4	575	496-49489	12489.45
6	21	75 x 34 x 48.4	645	346-28160	13779.30
6	26	75 x 39 x 48.4	660	346-28163	14563.45

**Labconco\* Replacement HEPA Filters for Horizontal Clean Benches**

- Filter application: Particulate
- Filter flow type: Supply
- Static pressure differential: 1



For Use With	Dimensions (in.)	Rated CFM	Shipping Weight (lbs)	Catalog No.	Each
3 ft. models	30 x 36 x 5.9	1135	105	336-16933	889.20
4 ft. models	30 x 48 x 5.9	1525	125	346-17773	1913.60
6 ft. models	30 x 72 x 5.9	2300	170	336-16936	2490.80

To Order – Call 800.772.8786

**Labconco\* Replacement Pre-filters for Horizontal Clean Benches**

- 3 ft. hoods require 2 pre-filters (2 x Cat. No. 346-14335)
- 4 ft. hoods require 2 pre-filters (2 x Cat. No. 346-14344)
- 5 ft. hoods require 3 pre-filters (2 x Cat. No. 346-14335 plus 1 x Cat. No. 346-14344)
- 6 ft. hoods require 3 pre-filters (3 x Cat. No. 346-14344)



†Labconco recommends replacing pre-filters every 3 months

For Use With	Dimensions W x D x H (in.)	Catalog No.	Each
3 and 5 ft. models	17.8 x 17.8 x 0.8	346-14335	26.85
For 4, 5, and 6 ft. models	17.8 x 23.8 x 1.0	346-14344	28.80

**Labconco\* Base Stands with Fixed Feet for Horizontal Clean Benches**

- May be adjusted to eight height positions prior to installation
- Telescoping legs are adjustable in 1 in. increments from 27½ to 34½ in.
- Durable 1¾ in. tubular, epoxy-coated steel frame
- Fixed leveling feet
- Rear cross bar supports on all stands



Width (ft.)	Shipping Weight (lbs)	Catalog No.	Each
3	100	346-28073	886.40
4	120	346-28184	977.35
5	130	336-27425	1022.80
6	135	346-28178	1085.30

**Labconco\* Base Stands with Casters for Horizontal Clean Benches**

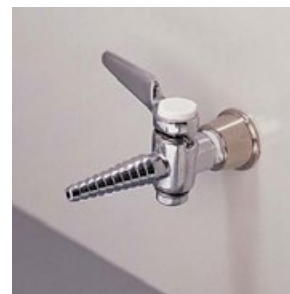
- May be adjusted to eight height positions prior to installation
- Telescoping legs are adjustable in 1 in. increments from 27½ to 34½ in.
- Durable 1¾ in. tubular, epoxy-coated steel frame
- Casters provide mobility for short distances, such as to gain access to the area behind the stand for service or maintenance
- Toe-locking, non-marking, 5 in. polyurethane casters with bearings for quiet operation
- Rear cross bar supports on all stands



Width (ft.)	Shipping Weight (lbs)	Catalog No.	Each
3	100	346-28076	1096.65
4	120	346-28187	1187.55
5	130	336-27428	1244.40
6	135	346-28181	1284.15

**Labconco\* Service Fixture Kit for Horizontal Clean Benches**

- Kit includes serrated hose tip valve with quarter turn control handle, hardware, and instructions for plumbing to services
- Shipping weight: 4 lbs (1.8 kg)



Catalog No.	Each
346-14356	185.35

**Labconco\* IV Bar Kits for Horizontal Clean Benches**

- These optional accessories support intravenous solution bottles and bags
- Each kit includes an IV bar, mounting hardware, four hangers, and instructions for installation
- 3, 4, and 5 ft. Purifier\* Horizontal Clean Benches accommodate one IV bar
- 6 ft. benches require two (to be ordered separately)



For Use With	Shipping Weight (lbs)	Catalog No.	Each
3, 4, and 6 ft. models	5	346-14188	376.45
5 ft. models	5	336-27431	636.40

**Labconco\* Vibration Isolation Table**

- Isolates vibrations in Purifier\* Horizontal Clean Benches



Catalog No.	Each
346-13882	1255.80

**DID YOU KNOW?**

Though you can't see it happening, every minute of the day we lose about 30,000 to 40,000 dead skin cells off the surface of our skin.

**Labconco\* Electric Hydraulic Lift Base Stands**

- Stands have a built-in hydraulic lift so that height may be adjusted at any time
- Allows the user to position the stand and the safety cabinet it supports to accommodate people of different heights and wheelchair-bound users
- Can be used to transport equipment through doorways and for easier access to services
- Meets NSF Standard for stability and construction
- Supports loads up to 1,000 pounds
- ADA-compliant
- Durable 1.75 in. (4.4 cm) tubular, powder-coated steel frame with rear crossbar supports
- Sub-frame has 2 x 3 in. (5.1 x 7.6 cm) rectangular tubing
- Height is infinitely adjustable from 25.5 x 33.5 in. (64.8 x 85.1 cm) high
- Includes:
  - Four powder-coated, die-cast feet with levelers
  - Front-accessible up/down switch
- Shipped fully assembled
- For use with Purifier\* Axiom\* Biosafety Cabinets and Purifier\* Horizontal and Vertical Clean Benches



Nominal Width (ft.)	Switch Width (in.)	Switch Depth (in.)	Switch Location	Shipping Weight (lbs)	Catalog No.	Each
<b>Purifier* Vertical and Horizontal Clean Benches</b>						
3	37.2	34.3	Right	150	496-27878	3278.60
4	49.2	34.3	Right	180	496-27881	3318.40
<b>Purifier* Axiom* Biosafety Cabinets</b>						
4	51.7	34.3	Left	185	496-27854	3318.40
6	75.7	34.3	Left	225	496-27857	3363.85

**Labconco\* Manual Hydraulic Lift Base Stands**

- These stands have a built-in hydraulic lift so that height may be adjusted at any time
- Includes a front-accessible hand crank
- Turning the crank clockwise raises the stand; counterclockwise lowers it
- The handle may be disengaged and folded under, out of the way, when not in use
- Allows the user to position the stand and the safety cabinet it supports to accommodate people of different heights and wheelchair-bound users, to transport equipment through doorways, and for easier access to services
- Meets NSF Standard for stability and construction
- Supports loads up to 1,000 pounds
- ADA-compliant
- Durable 1.75 in. (4.4 cm) tubular, powder-coated steel frame with rear crossbar supports
- Sub-frame has 2 x 3 in. (5.1 x 7.6 cm) rectangular tubing
- Height is infinitely adjustable from 25.5 x 33.5 in. (64.8 x 85.1 cm) high
- Includes four powder-coated, die-cast feet with levelers
- Shipped fully assembled
- For use with Purifier\* Axiom\* Biosafety Cabinets and Purifier\* Horizontal and Vertical Clean Benches



Nominal Width (ft.)	Overall Width (in.)	Overall Depth (in.)	Handle Location	Shipping Weight (lbs)	Catalog No.	Each
<b>Purifier* Horizontal and Vertical Clean Benches</b>						
3	37.2	34.3	Right	150	496-27896	2602.45
4	49.2	34.3	Right	180	496-27899	2647.90
<b>Purifier* Axiom* Biosafety Cabinets</b>						
4	51.7	34.3	Left	185	496-27872	2647.90
6	75.7	34.3	Left	225	496-27875	2687.70

**Labconco\* Caster Kit for Hydraulic Lift Base Stands**

- For converting Hydraulic Lift Stands to mobile stands
- Includes four 5 in. (13 cm) diameter, non-marking polyurethane casters with toe locks and bearings
- Load rating for each caster is 250 pounds
- Casters replace the fixed feet and add 11 in. (28 cm) to the overall depth of the base stand
- Installation is required†
- Casters must be in the locked position when supporting Purifier\* Axiom\* Biosafety Cabinets installed in Type B mode



†Enclosures supported by mobile base stands will require special modifications to incorporate flexible ducting, wiring, and plumbing when applied

<b>Catalog No.</b>	<b>Each</b>
496-27911	166.80

**Labconco\* Support Shelf for Hydraulic Lift Stands**

- Provides a 8 x 20 in. work surface to support remote equipment
- Powder-coated steel shelf mounts to left-side tubular frame of base stand
- Dimensions (W x D): 12 x 22 in. (26 x 30 cm)
- Installation is required



<b>Catalog No.</b>	<b>Each</b>
496-50725	164.85

**ISO CLASSIFICATION OF PARTICULATE MATTER IN ROOM AIR**

ISO Classification of Particulate Matter in Room Air		
Class Name	ISO Standard	Particle Count <sup>a</sup> /m <sup>3</sup>
Class 1	3	35.2
Class 10	4	352
Class 100	5	3,520
Class 1,000	6	35,200
Class 10,000	7	352,000
Class 100,000	8	3,520,000

<sup>a</sup> Limits for number of particles ≥ 0.5 µm measured under typical operating conditions

Source: USP General Chapter <797> - USP 39-NF34

**Labconco\* Purifier Vertical Clean Benches**

- Vertical laminar flow
- Nominal downflow velocity of 40 - 55 fpm
- Supplied HEPA filter is 99.99% efficient on 0.3 micron particles
- ISO Class 5 air (formerly Class 100 per Federal Standard 209E)
- Disposable prefilter extends HEPA filter life
- Variable speed, built-in blower with motorized impeller; solid state control rated for 5 amps
- Front-mounted differential pressure gauge
- Air diffuser
- UV-resistant, glacier white and gray, powder-coated aluminum and steel construction
- UV-opaque and resistant 1/4 in. thick tempered safety glass sash and sides
- Fluorescent lamp
- Light and blower switches
- 9.4 in. high sash opening
- Ergonomic 10° angled and hinged sash that pivots upward, locks to a loading height of 20 in. and has wiping seals to promote ISO Class 5 conditions
- Two utility ports with iris openings and plugs
- ETL Listing UL 3101-1/61010-1 and CAN/CSA C222.2 No. 1010.1 conformity
- All listed models below are 115V, 60 Hz, 5A
- 1 year warranty on parts and service

**Options:**

- Built-in Guardian Airflow Monitor that continuously monitors downflow airflow and has two LED lights and an audible alarm to indicate when airflow is within or outside set point range
- 254 nm UV lamp with 3-way switch (fluorescent, UV and off) and protection panel interlocked with the UV lamp that closes the sash opening to guard against inadvertent exposure to UV light
- Variable digital timer has eight settings in minutes of 5, 10, 15, 30, 60, 120, 240, and continuous
- Two support hooks are included for storing the panel

**Required Accessories†:**

- Supporting work surface (to order please see “Labconco\* Solid Epoxy Dished Work Surfaces”)
- Supporting base (to order please see “Labconco\* Telescoping Base Stands”)

†Image shown with required (not included) supporting base and work surface, must be ordered separately



Width (ft.)	Dimensions W x D x H (in.)	Shipping Weight (lbs)	Catalog No.	Each
<b>Clean Bench</b>				
2	24 x 28.6 x 36.8	165	346-27305	5835.55
3	36 x 28.6 x 36.8	205	346-27323	6398.15
4	48 x 28.6 x 36.8	245	346-28142	7670.95
<b>Clean Bench with Airflow Monitor</b>				
2	24 x 28.6 x 36.8	165	346-28130	6670.90
3	36 x 28.6 x 36.8	205	346-28136	7233.45
4	48 x 28.6 x 36.8	245	346-28148	8511.90
<b>Clean Bench with UV Light and Protection Panel</b>				
2	24 x 28.6 x 36.8	165	346-27308	6307.20
3	36 x 28.6 x 36.8	205	346-27326	6989.10
4	48 x 28.6 x 36.8	245	346-28145	8381.20
<b>Clean Bench with UV Light, Protection Panel, and Airflow Monitor</b>				
2	24 x 28.6 x 36.8	165	346-28133	7142.55
3	36 x 28.6 x 36.8	205	346-28139	7830.00
4	48 x 28.6 x 36.8	245	346-28151	9210.85

To Order – Call 800.772.8786

**Labconco\* Telescoping Base Stands with Fixed Feet**

- For Labconco\* Purifier\* Vertical Clean Benches
- May be adjusted to eight height positions prior to installation
- Telescoping legs are adjustable in 1 in. increments from 27½ to 34½ in.
- Durable 1¾ in. tubular, powder-coated steel frame
- Includes rear cross bar supports on all stands except 2 ft. width
- Fixed leveling feet
- A work surface is **required** (available separately)



Width (ft.)	Depth (in.)	Shipping Weight (lbs)	Catalog No.	Each
2	29	100	496-48019	812.55
3	29	110	496-27145	857.95
4	29	115	496-27148	909.15
6	29	120	496-15214	1000.10

**Labconco\* Telescoping Base Stand with Casters**

- For Labconco\* Purifier\* Vertical Clean Benches
- May be adjusted to eight height positions prior to installation
- Telescoping legs are adjustable in 1 in. increments from 27½ to 34½ in.
- Durable 1¾ in. tubular, powder-coated steel frame
- Includes rear cross bar supports on all stands except 2 ft. width
- Telescoping base stands with casters provide mobility for short distances, such as to gain access to the area behind the stand for service or maintenance
- Toe-locking, non-marking, 5 in. polyurethane casters with bearings for quiet operation
- A work surface is **required** (available separately)



Width (ft.)	Depth (in.)	Shipping Weight (lbs)	Catalog No.	Each
2	29	100	496-48022	1011.40
3	29	110	496-27800	1068.25
4	29	115	496-27803	1119.40
6	29	125	496-27806	1210.35

**Labconco\* Accessory Shelves for Telescoping Base Stands**

- Glacier white, powder-coated, 16 gauge steel
- Designed to hook on the lower rear horizontal cross member of the Telescoping Base Stand
- Provides storage space for wipes, cleaning agents, gloves, and other miscellaneous laboratory supplies



For Use With	Shipping Weight (lbs)	Catalog No.	Each
2 ft. base stands	9	496-47998	120.45
3 ft. base stands	12	496-48001	145.95
4 ft. base stands	15	496-48004	199.20
6 ft. base stands	23	496-48010	303.50

**Labconco\* Stainless Steel Work Surfaces**

- For Purifier\* Vertical Clean Benches
- Type 304 stainless steel
- 0.8 in. thick
- 1 in. deep front spill trough



Width (ft.)	Depth (in.)	Shipping Weight (lbs)	Catalog No.	Each
2	29	75	346-28091	937.55
3	29	100	346-28085	1335.30
4	29	125	346-28088	1687.60

**Labconco\* Solid Epoxy Dished Work Surfaces**

- For Purifier\* Vertical Clean Benches
- Black chemical resistant epoxy
- Contoured to fit dimensions of enclosure
- Dished to contain spills



Width (ft.)	Depth (in.)	Shipping Weight (lbs)	Catalog No.	Each
2	29	50	566-10022	567.55
3	29	75	566-10025	806.85
4	29	100	566-10028	994.35

**BUBBLE POINT**

Filter units used to sterilize solutions must be subjected to the manufacturers' recommended integrity test, such as a bubble point test. Air is applied using a syringe, compressor, or compressed air container to the filter unit, with the bubble point gauge attached and an outlet tube immersed in a beaker of water. The filter passes the integrity test if there is no stream of bubbles before the pressure gauge reaches the target pressure. A stream of bubbles before the gauge reaches the target pressure indicates the filter has failed the integrity test.

### Labconco\* Replacement HEPA Filters

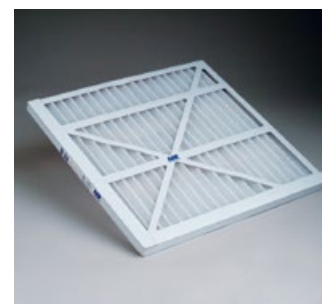
- 99.99% efficient on particles 0.3 micron in size
- Not suitable for use with biohazardous materials or volatile organic material
- For use with Purifier\* Vertical Clean Benches
- Filter application: Particulate
- Filter flow type: Supply
- Static pressure differential: 0.6



For Use With	Dimensions (in.)	Catalog No.	Each
2 ft. models	18 x 18 x 3.3	<b>346-14206</b>	<b>573.35</b>
3 ft. models	30 x 18 x 3.3	<b>346-14209</b>	<b>670.50</b>
4 ft. models	42 x 18 x 3.3	<b>656-10010</b>	<b>744.40</b>

### Labconco\* Pre-filters for Vertical Clean Benches

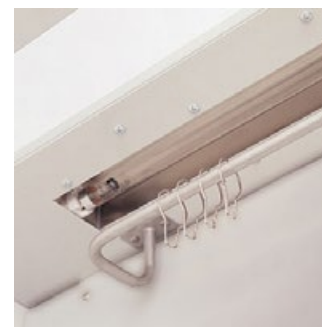
- Corrugated paper pre-filters trap large particles to extend HEPA filter life
- Labconco recommends replacing the pre-filter every three months
- Replacement disposable pre-filters for use with Purifier\* Vertical Clean Benches
- Shipping weight: 1 lb (0.5 kg)



For Use With	Dimensions (in.)	Catalog No.	Each
2 ft. models	16.5 x 16.5 x 1	<b>656-10013</b>	<b>28.80</b>
3 ft. models	16.5 x 28.5 x 1	<b>656-10016</b>	<b>34.25</b>
4 ft. models	16.5 x 40.5 x 1	<b>656-10019</b>	<b>57.60</b>

### Labconco\* IV Bar Kits for Vertical Clean Benches

- Optional accessory for use with Purifier\* Vertical Clean Benches
- IV Bar supports intravenous solution bottles and bags
- Includes IV bar, mounting hardware, four hangers, and instructions for installation



For Use With	Shipping Weight (lbs)	Catalog No.	Each
2 ft. models	4	<b>346-14242</b>	<b>294.20</b>
3 ft. models	6	<b>346-14245</b>	<b>323.15</b>
4 ft. models	8	<b>656-10022</b>	<b>364.85</b>

**Thermo Scientific Heratherm\* Compact Microbiological Incubator**

- Small footprint utilizes minimal benchtop space
- Mechanical convection technology
- High temperature accuracy
- Easy-to-use interface
- LED display
- Internal light and window in door facilitates sample observation
- Operates in temperatures at or below ambient
- Temperature range: 17 to 40°C
- Temperature uniformity (measured at 37°C): ±1.2°C
- Temperature stability (measured at 37°C): ±0.2°C
- 100-240V, 50/60 Hz, NEMA 5-15 plug
- cCSAus, CE
- 2 year warranty



Capacity cu. ft. (L)	Chamber Dimensions D x W x H (in.)	Exterior Dimensions L x W x H (in.)	No. of Shelves Supplied (Max.)	Weight (lbs)	Catalog No.	Each
0.65 (18)	11.4 x 7.1 x 12.2	18.5 x 10.2 x 16.3	2 (3)	15.87	460-13552	723.95

**Thermo Scientific Heratherm\* General Protocol Microbiological Incubator**

- Ideally suited for routine applications, with sample safety in mind
- Gravity convection provides gentle air flow and minimal drying out
- Temperature range from ambient + 5° to 75°C
- Temperature uniformity (measured at 37°C): ±0.6°C
- Temperature stability (measured at 37°C): ±0.2°C
- Type 304 stainless-steel chamber is corrosion-resistant and easy-to-clean with rounded corners
- Intuitive user interface for setting temperature
- Large, easy-to-read vacuum fluorescent display
- Internal glass door allows sample viewing without impacting temperature
- Exceptionally small footprint
- 120V, 60 Hz; NEMA 5-15 plug
- 2 year warranty



Capacity cu. ft. (L)	Chamber Dimensions D x W x H (in.)	Exterior Dimensions L x W x H (in.)	No. of Shelves Supplied (Max.)	Weight (lbs)	Catalog No.	Each
2.6 (75)	16.3 x 13.9 x 20.0	22.2 x 20.9 x 28.3	2 (13)	88	460-13555	2176.30
4.0 (117)	16.3 x 18.3 x 23.9	22.2 x 25.2 x 32.3	2 (16)	112	460-13558	2703.55
6.9 (194)	23.2 x 18.3 x 27.9	29.1 x 25.2 x 36.2	2 (19)	143	460-13561	3205.90

**Revolutionary Science Incufridge\* Incubator**

- Flexible; for when refrigerating or incubating temperature sensitive material
- Equipped with a PID controller and digital display
- Two year warranty is included

**Specifications:**

- Temperature range: 7° to 60°C (at 20°C ambient)
- Precision: ±0.7°C, uniformity ±1°C (at 20°C ambient)
- 120-240 VAC, 50-60 Hz, 150 W, 12 VDC
- Shelves: 2 removable metal shelves
- Reliability: Setting stored in case of power failure
- Capacity: 33 L
- Interior dimensions (W x D x H): 12 x 16.5 x 10.25 in.
- Exterior dimensions (W x D x H): 15 x 23 x 15.5 in.



Catalog No.	Each
461-10058	995.65

**Compact Inspection Light Box**

- Determine the absence or inclusion of particulates in sterile products
- Perform finished preparation release checks for purity and quality
- Physical inspection is achieved against lighted white and black backgrounds
- 4 in. diameter, 2X magnifying glass allows for close visual inspection; flexible arm permits easy movement
- Consists of one black UV and one white fluorescent light; both 8 watt lights are included and a 5 ft. cord
- One 110V wall outlet is needed for operation; both lights are independently operated
- Pre-drilled mounting holes
- Dimensions (W x H x D): 16½ x 16½ x 5½ in.



<b>Catalog No.</b>	<b>Each</b>
<b>653-10009</b>	<b>242.60</b>

**Replacement Bulbs for Compact Inspection Light Box**

- Replacement 8 watt light bulbs for the Compact Inspection Light Box (Cat. No. 653-10009)



Description	Catalog No.	Each
Black UV Bulb	<b>653-10012</b>	<b>23.10</b>
White Fluorescent Bulb	<b>653-10015</b>	<b>19.70</b>

**Thermo Scientific Heratherm\* Advanced Protocol Security Ovens**

- Combines the benefits of the advanced protocol line of ovens with an extra layer of security for applications where process reliability and sample protection are paramount
- Broad temperature range up to 330°C
- Standard over-temperature alarm and an additional under-temperature alarm
- Door lock prevents disruption, tampering, or accidental opening
- Door alarm notifies the operator when door is left open
- Advanced digital timer for daily or weekly ON / OFF cycles
- Stainless-steel interior is easy to clean and corrosion resistant (steel quality AISI 304)
- Programmable controller for temperature ramps and dwells
- Up to 10 programs can be saved, each with 10 steps
- Electronically controlled fan speed and damper position can be incorporated
- Programs can be repeated automatically
- Access port allows the introduction of sensors for independent data monitoring
- Simple calibration routine ensures temperature accuracy over time
- Boost function enables rapid heating



Capacity cu. ft. (L)	Temperature Deviation at 150°C (spatial / over time)	Interior Dimensions D x W x H (in.)	Exterior Dimensions L x W x H (in.)	No. of Shelves Supplied (Max.)	Weight (lbs)	Exterior	Voltage	Catalog No.	Each
<b>Gravity</b>									
2.15 (61)	±2.5°C / ±0.3°C	15.3 x 12.9 x 18.9	22.2 x 20.9 x 28.3	2 (13)	97	Coated Steel	120V	<b>410-15554</b>	<b>2892.20</b>
2.15 (61)	±2.5°C / ±0.3°C	15.3 x 12.9 x 18.9	22.2 x 20.9 x 28.3	2 (13)	97	Stainless Steel	120V	<b>410-15563</b>	<b>2876.35</b>
3.6 (99)	±2.5°C / ±0.3°C	15.3 x 17.2 x 22.8	22.2 x 25.2 x 32.3	2 (16)	121	Coated Steel	208 - 240V	<b>410-15557</b>	<b>3133.15</b>
3.6 (99)	±2.5°C / ±0.3°C	15.3 x 17.2 x 22.8	22.2 x 25.2 x 32.3	2 (16)	121	Stainless Steel	208 - 240V	<b>410-15566</b>	<b>3378.60</b>
6.05 (168)	±2.9°C / ±0.3°C	22.2 x 17.2 x 26.8	29.1 x 25.2 x 36.2	2 (19)	152	Coated Steel	208 - 240V	<b>410-15560</b>	<b>3760.50</b>
6.05 (168)	±2.9°C / ±0.3°C	22.2 x 17.2 x 26.8	29.1 x 25.2 x 36.2	2 (19)	152	Stainless Steel	208 - 240V	<b>410-15569</b>	<b>4005.95</b>
<b>Mechanical</b>									
2.2 (62)	±1.5°C / ±0.2°C	13.5 x 12.9 x 20.0	22.2 x 20.9 x 28.3	2 (13)	97	Coated Steel	120V	<b>410-15572</b>	<b>3634.30</b>
2.2 (62)	±1.5°C / ±0.2°C	13.5 x 12.9 x 20.0	22.2 x 20.9 x 28.3	2 (13)	97	Stainless Steel	120V	<b>410-15581</b>	<b>3880.95</b>
3.5 (97)	±1.3°C / ±0.2°C	13.5 x 17.2 x 23.9	22.2 x 25.2 x 32.3	2 (16)	121	Coated Steel	208 - 240V	<b>410-15575</b>	<b>4012.75</b>
6.1 (170)	±1.5°C / ±0.2°C	20.1 x 18.3 x 27.9	29.1 x 25.2 x 36.2	2 (19)	152	Coated Steel	208 - 240V	<b>410-15578</b>	<b>4766.20</b>
6.1 (170)	±1.5°C / ±0.2°C	20.1 x 18.3 x 27.9	29.1 x 25.2 x 36.2	2 (19)	152	Stainless Steel	208 - 240V	<b>410-15587</b>	<b>5011.60</b>

**Thermo Scientific Heratherm\* Advanced Protocol Ovens**

- Carry out multiple applications
- Broad temperature range, 50 to 330°C
- Adjustable fan speed for application-related airflow
- High fan speed for expedited drying and heating, quick recovery, and optimal temperature stability and uniformity
- Slow fan speed for applications that require minimal airflow
- Programmable controller for temperature ramps and dwells
- Up to 10 programs can be saved, each with 10 steps
- Features electronically controlled fan speed and damper position
- Programs can be repeated automatically
- Access port allows the introduction of sensors for independent data monitoring
- A simple calibration routine ensures temperature accuracy over time



Capacity cu. ft. (L)	Temperature Deviation at 150°C (spacial / over time)	Interior Dimensions D x W x H (in.)	Exterior Dimensions L x W x H (in.)	No. of Shelves Supplied (Max.)	Weight (lbs)	Voltage	Catalog No.	Each
<b>Gravity</b>								
2.15 (61)	±2.5°C / ±0.3°C	15.3 x 12.9 x 18.9	22.2 x 20.9 x 28.3	2 (13)	97	120	410-15536	2770.60
3.6 (99)	±2.5°C / ±0.3°C	15.3 x 17.2 x 22.8	22.2 x 25.2 x 32.3	2 (16)	121	120	410-15539	3007.05
6.05 (168)	±2.9°C / ±0.3°C	22.2 x 17.2 x 26.8	29.1 x 25.2 x 36.2	2 (19)	152	120	410-15542	3634.30
<b>Mechanical</b>								
2.2 (62)	±1.5°C / ±0.2°C	13.5 x 13.9 x 20.0	22.2 x 20.9 x 28.3	2 (13)	97	120	410-15545	3375.20
3.5 (97)	±1.3°C / ±0.2°C	13.5 x 18.3 x 23.9	22.2 x 25.2 x 32.3	2 (16)	121	208 - 240	410-15548	3760.50
6.1 (170)	±1.5°C / ±0.2°C	20.4 x 18.3 x 27.9	29.1 x 25.2 x 36.2	2 (19)	152	208 - 240	410-15551	4515.05

**Thermo Scientific Heratherm\* General Protocol Ovens**

- Perform routine applications simply and safely
- Provides an ideal heating and drying solution for research, clinical, or industrial needs
- Gravity convection units are designed to protect delicate samples while offering temperature uniformity of ±3.5°C with temperature stability of ±0.4°C at 150°C
- Mechanical convection models provide a temperature uniformity of ±2.9°C with temperature stability of ±0.3°C at 150°C
- Operating temperatures from 50 to 250°C
- Automatic over-temperature alarm system
- Low overall energy consumption
- Built-in timer
- Corrosion-resistant, galvanized steel chamber with rounded corners
- Large, easy-to-read, vacuum fluorescent display
- Easy-to-use, microprocessor-controlled, touch button operation
- 180° door opening allows convenient access to the interior
- Exhaust vent can be used as an access port for an external temperature sensor
- Ovens come standard with RS232 data interface
- Optional factory installed access ports available



Capacity cu. ft. (L)	Temperature Deviation at 150°C (spacial/over time)	Interior Dimensions D x W x H (in.)	Exterior Dimensions D x W x H (in.)	No. of Shelves Supplied (Max.)	Weight (lbs)	Voltage	Catalog No.	Each
<b>Gravity</b>								
2.3 (65)	±4.0°C / ±0.4°C	16.4 x 12.9 x 18.9	22.2 x 20.9 x 28.3	2 (13)	93	120V	410-15518	2168.30
3.75 (105)	±4.5°C / ±0.4°C	16.3 x 17.2 x 22.8	22.2 x 25.2 x 32.3	2 (16)	117	120V	417-10052	2505.85
6.2 (176)	±5.0°C / ±0.4°C	23.2 x 17.2 x 26.8	29.1 x 25.2 x 36.2	2 (19)	146	120V	417-10049	3007.05
14.8 (419)	±3.0°C / ±0.5°C	23.2 x 21.4 x 51.5	30.3 x 30.6 x 60.8	2 (39)	300	208 - 240V	417-10031	5631.05
27.3 (774)	±3.7°C / ±0.5°C	23.2 x 39.5 x 51.5	30.3 x 49.7 x 60.8	2 (39)	401	208 - 240V	417-10034	7742.45
<b>Mechanical</b>								
2.3 (66)	±3.3°C / ±0.3°C	14.5 x 13.9 x 20.0	22.2 x 20.9 x 28.3	2 (13)	93	120V	410-15527	2528.55
3.65 (104)	±3.5°C / ±0.4°C	14.5 x 18.3 x 23.9	22.2 x 25.2 x 32.2	2 (16)	117	120V	417-10064	3012.70
6.3 (179)	±3.5°C / ±0.3°C	21.4 x 18.3 x 27.9	29.1 x 25.2 x 36.2	2 (19)	146	120V	417-10067	3510.45

## Thermo Scientific Precision Compact Ovens

### Key Features:

- Temperature range: Ambient +5° to 210°C
- Double-wall interior with 2.5 cm (1 in.) silica-based insulation
- Powder-coated, cold-rolled steel exterior
- Pilot light visually indicates oven operation status

### Gravity-Convection Models:

- Gentle drying with low turbulence; air is moved vertically through chamber to heat samples
- Preset high-temperature safety bimetallic thermostat ensures over-temperature protection

### Mechanical-Convection Models:

- Uniform heating, precise temperature control, and fast drying
- Hydraulic thermostat
- LED display

### All Ovens Include:

- One fixed shelf
- Two adjustable shelves

Capacity cu. ft. (L)	Interior Dimensions D x W x H (in.)	Exterior Dimensions L x W x H (in.)	Shipping Weight (lbs)	Voltage	Chamber Material	Catalog No.	Each
<b>Gravity</b>							
1.7 (48)	11.5 x 16 x 16.2	13.5 x 18.5 x 22.5	57	120V	Aluminum	<b>419-10199</b>	<b>1051.20</b>
<b>Mechanical</b>							
1.7 (48)	11.5 x 16 x 16.2	15.6 x 18.5 x 25	80	120V	Stainless Steel	<b>419-10205</b>	<b>2522.90</b>



## SHEL LAB Economy Vacuum Ovens

- Exceptional capabilities for fast and gentle drying of heat sensitive materials
- Prevents residue accumulation on products
- Allows for safe drying of materials at lower temperatures than typically required when using convection ovens
- Radiant heating system optimizes chamber space and provides excellent heat transfer and temperature uniformity
- Stainless steel chamber is easy to clean and has exceptional durability
- Positive latch handles with spring-loaded glass facilitate a good vacuum seal without hinge binds that shorten the gasket life
- Tempered glass viewing window allows for safe, continuous monitoring of samples
- Equipped with silicone gaskets†
- Analog temperature control
- Cross ventilation air flow design
- Built-in overtemperature protection

### Specifications

- Temperature range: Ambient ± 15° to 210°C
- Temperature uniformity: ± 3.0 at 60°C, ± 9.0 at 120°C, ± 13.0 at 200°C
- Heat-up: 90 minutes to 150°C
- Vacuum range: -3.0 to -29.9 in. Hg; -10 to -101 kPa; -101 to -1010 mbar
- Display range (analog dial gauge): 0 to 30 in. Hg (0 to 76 cm Hg)
- 2 year limited warranty

†A selection of gaskets (for specific applications) increase the versatility of these ovens.

††Please note that these vacuum ovens do not include a pump or related accessories.

Capacity cu. ft. (L)	Interior Dimensions W x D x H (in.)	Exterior Dimensions W x D x H (in.)	No. of Shelves Supplied	Max. Energy Consumption (W)	Voltage	Catalog No.	Each
0.6 (17)	9 x 12 x 9	15.5 x 19 x 22.5	2	600/575	115V	<b>410-15623</b>	<b>2203.75</b>
1.7 (48)	12 x 20 x 12	18.5 x 27.8 x 25.3	2	1200/1150	115V	<b>410-15626</b>	<b>2644.70</b>



### Spectrum\* Element Series Benchtop pH Meters

- High precision measurements: 0.01 pH and 1.0 mV
- Easy-to-read, blue backlit LCD
- Simple operation
- One button calibration (standardization)
- Three point calibration and automatic buffer recognition: 15 buffers stored in 3 buffer sets
- Automatic temperature compensation (with ATC probe) and manual temperature compensation
- Self-diagnostic of meter and electrode performance
- Data storage of 300 samples
- GLP documentation: Sample number, value, date, time, calibration information, and serial number
- IP54 Industrial Protection from dust and liquids
- RS232 for easy connection to computer/printer
- Automatic calibration for accurate results



**Specification:**

- pH range: -2.00 to 19.99
- pH resolution: 0.1 or 0.01 selectable
- pH accuracy: 0.01 pH
- mV range: -1999 to 1999
- mV resolution: 1.0 mV
- mV accuracy: 0.1% FS (Full Scale)
- Temperature range: -10 to 110°C
- Temperature resolution: 0.1°C
- Temperature accuracy: ±0.5°C (5 to 60°C), ± 1.0°C (all other temperatures)
- Power requirements: 100 - 240V, 50/60 Hz
- Net weight: 0.8 kg (1.8 lbs) meter only
- 3 year warranty (parts and labor)

Description	Catalog No.	Each
Meter, Electrode Holder, and ATC Probe	<b>242-97836</b>	<b>892.15</b>
Meter, Electrode Holder, ATC Probe, and TRIS Compatible Electrode	<b>242-97839</b>	<b>1108.00</b>

### Thermo Scientific Orion Star\* A121 pH Meter and Electrode Kit

- Large LCD that displays pH or mV readings along with temperature
- Icons provide quick updates on battery life, electrode status, and calibration information
- Simple button layout and on-screen messages help with calibration and setup menu choices
- Perform up to a three point pH calibration with easy recall of calibration points and slope
- Automatic recognition of USA/NIST\* and DIN buffers
- Nonvolatile memory holds up to 50 data points
- This waterproof meter has an IP67-rated housing
- The Orion\* Gel/Cream Meter Kit (Cat. No. 666-10150) includes an Orion\* 91-72 Sure-Flow pH Electrode, which is a combination electrode with a Sure-Flow junction and chemical resistant glass body for clog-free measurements of viscous material
- The Orion\* Solutions Meter Kit (Cat. No. 666-10153) includes an Orion\* Basic Electrode, which is a low maintenance gel combination electrode with an epoxy body and removable bulb guard; this electrode has a pH range of 0 to 14 and a temperature range of 0 to 80°C (32 to 176°F)



**Meter Specifications:**

- pH range: -2.00 to 16.00 pH
- pH resolution: 0.1, 0.01 pH
- pH accuracy: ±0.01 pH
- Calibration points (pH): 1 to 3
- Temperature range: -5 to 105°C (22 to 221°F)
- Temperature resolution: 0.1°C (0.1°F)
- Temperature accuracy: ±0.1°C
- Inputs: BNC (pH or ORP electrode), pin-tip (reference electrode), 8-pin MiniDIN (ATC temperature probe)
- Power supply: 4 AA batteries (included) or AC Adapter: 50/60 Hz, 100 - 240 VAC Universal Power Adapter (sold separately)
- Battery life: 2000 hours
- Dimensions (L x W x H): 9.5 x 3.9 x 2.6 in. (24 x 10 x 6.5 cm)
- Weight: 0.5 kg
- 3 year meter warranty

Description	Catalog No.	Each
Orion* Star A121 Portable pH Meter for Gels and Creams	<b>666-10150</b>	<b>730.15</b>
Orion* Star A121 Portable pH Meter for Solutions	<b>666-10153</b>	<b>542.25</b>
Universal Power Adapter	<b>246-47902</b>	<b>75.50</b>

**pHep\* 4 & 5 pH / Temperature Testers**

- Automatic one or two point calibration to known buffer
- Automatic temperature compensation
- Battery percent level indicator at start up and a stability indicator to alert the user when a stable reading has been obtained
- Large multi level LCD display that shows both pH and temperature simultaneously
- Includes a replaceable pH probe that has a unique extendable cloth junction to clear any clogging that occurs
- Waterproof; designed to float
- BEPS (Battery Error Prevention System); meter will automatically shut off if there is not enough power to get an accurate measurement
- Meter automatically shuts off after 8 minutes of non-use to maximize battery life
- Temperature range: -5.0 to 60.0°C
- Temperature resolution: 0.1°C
- Temperature accuracy: ±0.5°C



Model	pH Range	pH Resolution	pH Accuracy	Catalog No.	Each
pHep* 4	-2.0 to 16.0	0.1	±0.1	240-98425	100.30
pHep* 5	-2.00 to 16.00	0.01	±0.05	240-98428	114.50

**Wheaton\* OmniSpense\* ELITE\* Peristaltic Pump**

- Dispense Mode and Flow Mode
- Highly intuitive icon driven user interface enables fast, easy setup and operation
- Trouble-free calibration protocol requires minimal user inputs
- Ultra high precision stepper motor ensures accurate dispense volumes
- Compact design with large 5 in. backlit LCD
- Programming and help screens provided in six languages
- Engineered to comply with industry standards including UL, CSA, CE, WEEE and RoHs Compliant
- Multiple stacking pump heads allow for higher volumes and multiple fill applications with one pump
- Microcassette head is ideal for precision micro-dispensing of liquids
- Works with 1, 2, 3, 6, and 8 mm tubing
- Pump allows for different ramping profiles to avoid splashing or foaming
- Accommodates a variety of dispensing and process applications



**Optional Pump Head Support, stack up to 2 Stacking Pump Heads:  
(Available separately, see "Optional Pump Heads")**

- Stacking Pump Head for 2.3 mm wall tubing
- Stacking Pump Head for 1.6 mm wall tubing
- Single Pump Head for 1.6 mm wall tubing
- 5-Channel Pump Head for small-bore tubing

**Specifications:**

- Electrical: 100 - 240, 50/60 Hz, 37W
- Accuracy midrange: As high as ±1%
- Delay time: 0.5 to 99.9 seconds, automatic mode
- Dispense range for tubing (available separately): 0.01 to 9999.99 mL
- Flow rate ranges for tubing: 2 mm I.D.: 20.4 to 174 mL/min.; 3 mm I.D.: 40.2 to 354 mL/min.; 6 mm I.D.: 131 to 1176 mL/min.; 8 mm I.D.: 200 to 1746 mL/min.
- Dimensions with pump head (H x W x D): 7 x 8<sup>3</sup>/<sub>4</sub> x 13 in. (17.3 x 22.3 x 33 cm)
- Weight: 11.8 lbs (5.4 kg)
- 1 year warranty

Operating Speed (rpm)	Motor	Direction	Ramp	Drawback	Pump Heads	Catalog No.	Each
0.5 to 400	Variable Speed	Bidirectional; Clockwise and Counterclockwise	User Ramp Control for Dispense and Flow Modes- 5 Profiles	For Filling into a Closed Container	Single, Dual, Microcassette	349-46360	3145.15

To Order – Call 800.772.8786

**Wheaton\* UniSpense\* PRO\* Peristaltic Pump**

- Dispense Mode
- Highly intuitive icon driven user interface enables fast, easy setup and operation
- Trouble-free calibration protocol requires minimal user inputs
- Ultra high precision stepper motor ensures accurate dispense volumes
- Compact design with large 5 in. backlit LCD
- Programming and help screens provided in six languages
- Engineered to comply with industry standards including UL, CSA, CE, WEEE and RoHS Compliant



**Optional Pump Head Support (Available separately, see “Optional Pump Heads”):**

- Single Pump Head for 1.6 mm wall tubing
- Single Pump Head for 2.3 mm wall tubing

**Specifications:**

- Electrical: 100 - 240, 50/60 Hz, 37W
- Accuracy midrange: As high as ±1%
- Delay time: 0.5 to 99.9 seconds, automatic mode
- Dispense range for tubing (available separately): 0.01 to 9999.99 mL
- Flow rate ranges for tubing: 2 mm I.D.: 30 & 60 mL/min.; 3 mm I.D.: 60 & 120 mL/min.; 6 mm I.D.: 270 & 540 mL/min.; 8 mm I.D.: 540 & 1080 mL/min.
- Dimensions with pump head (H x W x D): 7 x 8<sup>3</sup>/<sub>4</sub> x 13 in. (17.3 x 22.3 x 33 cm)
- Weight: 11.8 lbs (5.4 kg)
- 1 year warranty

Operating Speed (rpm)	Motor	Direction	Ramp	Drawback	Pump Heads	Catalog No.	Each
75 and 150	Dual Speed	Unidirectional; Clockwise	N/A	N/A	Single	349-46363	2662.70

**Wheaton\* Pump Heads**

- For use with UniSpense\* PRO and OmniSpense\* ELITE Peristaltic Dispensing Pumps



Tubing Wall Thickness (mm)	Catalog No.	Each
<b>Single Pump Head</b>		
1.6	149-46372	331.55
2.3	149-46366	339.95
<b>Stacking Pump Head</b>		
1.6	149-46375	318.55
2.3	149-46369	343.80
<b>5-Channel Pump Head (Microcassette)</b>		
Small Bore	149-46378	687.95

### Wheaton\* Silicone Tubing Assemblies

- Autoclavable peroxide cured silicone tubing
- Tubing Assembly Kit includes; 1.5 m (5 ft.) section of silicone tubing with a wall thickness of 2.3 mm, a borosilicate glass sinker, and a polypropylene delivery nozzle
- For use with UniSpense\* PRO and OmniSpense\* ELITE Peristaltic Dispensing Pumps



Tubing I.D. (mm)	Catalog No.	Each
2	849-25540	63.85
3	849-25543	98.50
6	849-25546	123.50
8	849-25549	126.60

### Wheaton\* Glass Sinkers

- For use with UniSpense\* PRO and OmniSpense\* ELITE Peristaltic Dispensing Pumps
- Used to secure tubing when drawing from a container



For Tubing I.D. (mm)	Catalog No.	Each	Case of 6
2 and 3	849-25564	29.75	118.95
6 and 8	849-25567	30.20	120.55

### Wheaton\* Dispensing Cannulas

- Blunt end
- Luer-lock connection
- Stainless steel
- Autoclavable
- For use with UniSpense\* PRO and OmniSpense\* ELITE Peristaltic Dispensing Pumps



Length (in.)	Gauge	Catalog No.	Each
2	18	239-37522	14.55
4	14	239-37525	39.20

### Wheaton\* Polypropylene Nozzles

- For use with UniSpense\* PRO and OmniSpense\* ELITE Peristaltic Dispensing Pumps
- Nozzle connects to the pump tubing for dispensing of liquids



For Tubing I.D. (mm)	Catalog No.	Case of 6
2 and 3	989-25573	37.50
6	989-25579	37.50
8	989-25585	37.50

### Wheaton\* Microtest Manifolds

- Stainless steel manifolds
- Available in both a straight T style and an angular style with an offset hub
- Autoclavable
- Luer-lock connection
- For use with UniSpense\* PRO and OmniSpense\* ELITE Peristaltic Dispensing Pumps



No. of Positions	Center to Center (mm)	No. of Wells	Catalog No.	Each
<b>Straight</b>				
4	20	24	239-37477	331.60
8	9	96	239-37480	373.30
12	9	96	239-37489	490.05
<b>Angular</b>				
4	20	24	239-37483	331.60
8	9	96	239-37486	373.30
12	9	96	239-37492	490.05

### Wheaton\* Footswitch

- For OmniSpense\* ELITE and UniSpense\* PRO Peristaltic Dispensing Pumps
- Starts and stops the dispensing cycle without the use of hands



Catalog No.	Each
149-43576	89.90

**Thermo Scientific Revco High Performance – 30°C Freezers with Automatic Defrost**

- Simplify operation and increase accuracy with these microprocessor controlled freezers
- Temperature factory-preset at –30°C
- Automatic defrost and condensate removal
- Non-invasive defrost with time and temperature guided cycle
- Forced air circulation for uniform temperature and fast door opening recovery
- 115V, 60 Hz; UL Certification; NEMA 5-15 plug
- Icon-based controls and displays
- Large, easy-to-read digital display shows temperature within 1°C
- Certificate of Calibration available (Cat. No. 320-20116, must order at time of freezer purchase)



**Microprocessor Control:**

- Audible/visual warnings for overtemperature, undertemperature, or power failure
- Key-operated OFF / ON / ALARM ON master switch for setpoint security
- Push-button alarm test
- Remote alarm contacts
- Alarm silence, ringback, and auto reset
- Controller battery backup system

**Construction:**

- Four casters, front two are lockable
- 1 in. (2.5 cm) insulated access port
- Adjustable, epoxy-coated wire shelves
- Keyed on/off switch with setpoint security
- Self-closing door with 90° stop
- Built-in remote alarm contacts

Description	Capacity cu. ft. (L)	Door(s)	Adjustable Shelves	Interior Dimensions H x D x W (in.)	Exterior Dimensions H x D x W (in.)	Shipping Weight (lbs)	Catalog No.	Each
Undercounter	4.9	Single	3	20 x 20.5 x 20	33.4 x 26 x 24	220	320-21142	6386.75
Space Saver	11.5	Single	4	52.4 x 21 x 20	73.6 x 30 x 24	280	340-92428	7893.65
Upright	23.3	Single	4	58 x 29 x 24	79.2 x 37.2 x 28	425	320-20092	8910.85
Upright	29.2	Single	4	58 x 29 x 30	79.2 x 37.2 x 34	445	320-20095	10254.00
Upright	51.1	Double	8	58 x 29 x 52.5	79.2 x 37.2 x 56.5	600	320-20098	12386.00
Certificate of Calibration	—	—	—	—	—	—	320-20116	184.15

**Thermo Scientific General Purpose (GP) Series Combination Lab Refrigerator/Freezer**

- Process high-quality routine applications securely
- Dual refrigeration system
- Refrigerator temperature range: 1 to 12°C (factory setpoint 4°C)
- Freezer temperature range: –20 to 0°C (factory setpoint –20°C)
- Digital temperature controller for each chamber with intuitive interface
- Temperature stability of ±3°C
- High-density, fluorine-free insulation
- Automatic defrost
- 1 in. rear access port in each compartment
- Keyed on/off switch
- High/low temperature; audio/visual alarms
- Easily accessible contacts for backup monitoring
- Door ajar alarms
- Lockable controller settings
- High-quality steel exterior front and aluminum interior
- Casters for easy mobility
- Quiet refrigeration system
- 115V, 60 Hz, cUL listed, NEMA 5-15P (2 plugs)
- 2 year warranty, parts and labor



**Specifications (per compartment):**

- Capacity: 10 cu. ft.
- Door: 1 solid, hinged
- Shelves: 2 adjustable, epoxy-coated
- Interior dimensions (D x W x H): 28.75 x 20 x 28 in.
- Exterior dimensions (D x W x H): 35.5 x 26 x 82.3 in.

Shipping Weight (lbs)	Catalog No.	Each
420	320-22309	12391.65

**Thermo Scientific General Purpose (GP) Series Refrigerators with Single Solid Stainless Steel Door**

- Reliable cold storage for general-purpose applications
- GP Series refrigerators offer the dependability and safety required for your daily lab applications
- Range of sizes to suit your lab space needs
- Choice of painted or stainless steel interior finish
- Available with or without chart recorders
- Refrigerator cabinet temperature range: 1° to 12°C (factory setpoint 4°C)
- Digital temperature controller with intuitive interface
- Excellent temperature stability of ±3°C
- High-density, fluorine free insulation
- Automatic defrost
- Keyed on/off switch
- High/Low temperature, Visual/Audio alarms
- Single solid stainless steel lockable door
- Easily accessible contacts for backup monitoring
- Door ajar alarm
- Control panel with key lock
- Painted, high-quality steel exterior
- 4 shelves included
- Casters for easy mobility with leveling for better stability
- Quiet refrigeration system
- 1 in. rear access port
- 115V, 60 Hz; UL listed; NEMA 5-15P line cord plug; require NEMA 5-15R receptacle
- 2 year warranty, parts and labor



Interior Finish	Chart Recorder	Interior Dimensions D x W x H (in.)	Exterior Dimensions D x W x H (in.)	Shipping Weight (lbs)	Catalog No.	Each
<b>23 cu. ft. capacity</b>						
White	No	28.5 x 24 x 61.75	32 x 27 x 78	300	<b>320-21910</b>	<b>6240.15</b>
White	Yes	28.5 x 24 x 61.75	32 x 27 x 78	300	<b>320-21913</b>	<b>7335.70</b>
Stainless Steel	No	28.5 x 24 x 61.75	32 x 27 x 78	300	<b>320-21922</b>	<b>7885.75</b>
Stainless Steel	Yes	28.5 x 24 x 61.75	32 x 27 x 78	300	<b>320-21925</b>	<b>9049.45</b>
<b>27 cu. ft. capacity</b>						
White	No	28.5 x 27 x 61.75	32 x 30 x 78	386	<b>320-21940</b>	<b>6855.00</b>
White	Yes	28.5 x 27 x 61.75	32 x 30 x 78	386	<b>320-21943</b>	<b>7952.80</b>
Stainless Steel	No	28.5 x 27 x 61.75	32 x 30 x 78	386	<b>320-21958</b>	<b>8638.05</b>
Stainless Steel	Yes	28.5 x 27 x 61.75	32 x 30 x 78	386	<b>320-21961</b>	<b>9735.80</b>

**DISINFECTION**

Disinfection is a process where many or all pathogenic microorganisms are removed or rendered non-viable. Disinfection has three different levels: high, intermediate, and low. High-level disinfection includes chemicals used for a shorter exposure time than normally required for sterilization. Intermediate-level disinfectants will kill most viruses, most fungi, mycobacteria, and vegetative bacteria. These disinfectants will not kill all bacterial spores. Low-level disinfectants will kill the majority of vegetative bacteria, some fungi, and some viruses. There are different levels of disinfection because the classes of microorganisms vary in resistance.

To Order – Call 800.772.8786

### Thermo Scientific General Purpose (GP) Series Refrigerators with Double Doors

- Reliable cold storage for general-purpose applications
- GP Series refrigerators offer the dependability and safety required for your daily lab applications
- Range of sizes to suit your lab space needs
- Choice of painted or stainless steel interior finish
- Available with or without chart recorders
- Refrigerator cabinet temperature range: 1° to 12°C (factory setpoint 4°C)
- Digital temperature controller with intuitive interface
- Excellent temperature stability of ±3°C
- High-density, fluorine free insulation
- Automatic defrost
- Keyed on/off switch
- High/Low temperature, Visual/Audio alarms
- Double stainless steel or glass lockable doors, or double sliding glass doors
- Easily accessible contacts for backup monitoring
- Door ajar alarm
- Control panel with key lock
- Painted, high-quality steel exterior
- 8 shelves included
- Casters for easy mobility with leveling for better stability
- Quiet refrigeration system
- 1 in. rear access port
- 115V, 60 Hz; UL listed; NEMA 5-15P line cord plug; require NEMA 5-15R receptacle
- 2 year warranty, parts and labor



Capacity (cu. ft.)	Interior Finish	Chart Recorder	Interior Dimensions D x W x H (in.)	Exterior Dimensions D x W x H (in.)	Shipping Weight (lbs)	Catalog No.	Each
<b>Sliding Glass, Double</b>							
38	White	No	27 x 40.5 x 61.75	32 x 43.5 x 78	524	320-21964	7815.30
38	White	Yes	27 x 40.5 x 61.75	32 x 43.5 x 78	524	320-21967	8911.90
45	White	No	27 x 48.63 x 61.75	32 x 52 x 78	561	320-21976	8500.55
45	White	Yes	27 x 48.63 x 61.75	32 x 52 x 78	561	320-21979	9598.30
45	Stainless Steel	No	27 x 48.63 x 61.75	32 x 52 x 78	561	320-21988	9598.30
45	Stainless Steel	Yes	27 x 48.63 x 61.75	32 x 52 x 78	561	320-21991	10696.15
<b>Glass, Double</b>							
49	White	No	28.5 x 48.63 x 61.75	32 x 52 x 78	597	320-22000	8911.90
49	White	Yes	28.5 x 48.63 x 61.75	32 x 52 x 78	597	320-22003	10009.70
49	Stainless Steel	No	28.5 x 48.63 x 61.75	32 x 52 x 78	597	320-22012	10557.45
49	Stainless Steel	Yes	28.5 x 48.63 x 61.75	32 x 52 x 78	597	320-22015	11655.35
<b>Solid Stainless Steel, Double</b>							
49	Stainless Steel	No	28.5 x 48.63 x 61.75	32 x 52 x 78	597	320-22024	10557.45
49	Stainless Steel	Yes	28.5 x 48.63 x 61.75	32 x 52 x 78	597	320-22027	11655.35
49	White	No	28.5 x 48.63 x 61.75	32 x 52 x 78	597	320-22375	8911.90

### Thermo Scientific Cimarec+\* Hot Plate Stirrers

- 2 easy-to-read LED displays, temperature and speed
- 4.25 x 4.25 in. models have a single display
- Over-temperature protection
- Adjustable in 1°C increments
- Ceramic top cleans easily and resists alkalis and acids
- Seamless, reflective, white surface aids sample visibility
- High maximum temperature



Plate Size (in.)	Speed (rpm)	Temperature Range (°C)	Catalog No.	Each
4.25 x 4.25	50 to 1500	30 to 540	437-10069	509.65
7.25 x 7.25	50 to 1500	30 to 540	437-10087	560.65
10.25 x 10.25	50 to 1500	30 to 400	437-10120	721.60

**Spinplus\* Stir Bars**

- Cross shape creates a deep vortex extending towards the bottom of the vessel
- Offers smooth, noiseless, swift operation
- PTFE-coated Alnico V magnet



Assortment pack features one of each size (5 bars total):

- 3/8 x 3/8 in. (9.5 x 9.5 mm)
- 3/4 x 3/4 in. (19.1 x 19.1 mm)
- 1 x 1 in. (25.4 x 25.4 mm)
- 1 1/4 x 1 1/4 in. (31.8 x 31.8 mm)
- 1 1/2 x 1 1/2 in. (38.1 x 38.1 mm)

Catalog No.	1 Pack	Case of 30 Packs
144-19561	74.60	383.80

**Scienceware\* Spinpak\* PTFE Octagon Magnetic Stirring Bar Assortment**

- Six octagon Spinbars\* with pivot ring
- Alnico magnet encapsulated in FDA Grade PTFE low friction coating
- Durable and inert
- Manufactured in a registered ISO 9001:2008 facility, as verified by SGS certification
- Autoclavable



Spinpak\* includes 2 of each:

- 1 x 5/16 in.
- 1 1/2 x 5/16 in.
- 2 x 5/16 in.

Catalog No.	Pkg of 6
144-19492	44.60

**Spinbar\* Magnetic Stirring Bar Retrievers**

- Offers convenient stir bar retrieval for bars up to 1 in. long
- Polyethylene rod
- High-strength Alnico magnet sealed-in one end
- Hang-up loop on opposite end



Length in. (mm)	Diameter in. (mm)	Catalog No.	Each
12 (305)	3/8 (9.5)	144-19642	35.65
18 (457)	3/8 (9.5)	144-19648	21.30

**Stir Bar Arrester**

- Holds stirring bars in place when pouring from a beaker or flask
- Powerful radial magnet
- Chemical resistant polyethylene
- Thickness: 9.5 mm (3/8 in.)
- Diameter: 51 mm (2 in.)



Catalog No.	Each
144-19660	33.55

**TraceableLIVE\* Wi-Fi Datalogging Refrigerator/Freezer Thermometers**

- The simple, efficient, and reliable way to stay connected to critical environments
- Remotely monitor temperature and more — connect to existing WiFi
- Alerts: temperature alarm, connectivity interruption, low battery
- Cloud-based data interface — no local software required; web, Android, Apple IOS data visibility
- Continuous data transmission and monitoring using SSL encrypted SECURE connection
- Receive MOBILE PUSH / E-MAIL / TEXT notifications
- Unlimited scalability; use TraceableLIVE\* in individual labs or an entire network of facilities
- Multi-point calibration on an individually-numbered Traceable\* Certificate included; traceable to NIST



**Specifications:**

- Range: -50 to 60°C (-58 to 140°F)
- Accuracy: ±0.25°C
- Resolution: 0.01°
- Supplied with: 2 probes, Quick Start Guide, batteries, magnets, Velcro\*, wall mount, and Traceable\* Certificate

†Requires TraceableLIVE\* subscription

Probes	Catalog No.	Each
2 Bottle Probes	350-98572	265.00
1 Bottle and 1 Bullet Probe	350-98575	261.80
2 Bullet Probes	350-98578	256.50
2 Stainless Steel Probes	350-98581	283.00

**Traceable\* Excursion-Trac\* Datalogging Refrigerator/Freezer Thermometer**

- Monitor readings overnight, on weekends, or for any time period with rolling data log
- Programmable datalogging intervals of one observation per minute to one observation per 24 hours
- Recorded data can be transferred to PC via USB (not included); memory can be cleared once data is transferred
- Status indicators include low battery, low memory, USB data transfer, and active alarm state
- Meets current CDC requirements for vaccine storage and monitoring
- Bottle probes are filled with a nontoxic glycol solution that is GRAS (generally recognized as safe) by the FDA
- Temperature range: -50 to 70°C (-58 to 158°F)
- Temperature accuracy: ±0.25°C
- Temperature resolution: 0.01°
- Supplied with: Traceable\* Certificate, stand, Velcro\*, magnetic strips, wall mount, and batteries



Probe Type(s)	Catalog No.	Each
1 Bottle Probe	350-97906	159.35
2 Bottle Probes	350-97909	171.50
1 Bullet* Probe	350-97912	153.35
2 Bullet* Probes	350-97915	165.45
1 Bullet* and 1 Bottle Probe	350-97918	171.45
1 Stainless Steel Probe	350-97921	171.45
2 Stainless Steel Probes	350-97924	183.55
1 Vaccine Bottle (5 mL)	350-98536	162.85
2 Vaccine Bottles (5 mL)	350-98539	174.60

**Traceable\* Memory-Loc\* Datalogging Refrigerator/Freezer Thermometers**

- Datalogging thermometer with fixed, one minute logging intervals
- Can be used in environments requiring 21 CFR 11 compliance
- Alarm indicators include visual LEDs, audio alerts, and LCD segment
- Data stored includes time and date stamp
- Capable of storing over 1 million temperature observations
- Recorded data can be transferred to PC via USB (not included); raw data on unit cannot be overwritten or modified
- Status indicators include low battery, low memory, USB data transfer, and active alarm state
- Meets current CDC requirements and additional recommendations for vaccine storage and monitoring
- Bottle probes are filled with a nontoxic glycol solution that is GRAS (generally recognized as safe) by the FDA
- Temperature range: -50 to 70°C (-58 to 158°F)
- Temperature accuracy: ±0.25°C
- Temperature resolution: 0.01°
- Supplied with: Traceable\* Certificate, stand, Velcro\*, magnetic strips, wall mount, and batteries



Probe Type(s)	Catalog No.	Each
1 Bottle Probe	350-97927	183.55
2 Bottle Probes	350-97930	195.65
1 Bullet* Probe	350-97933	177.80
2 Bullet* Probes	350-97936	190.00
1 Bullet* and 1 Bottle Probe	350-97939	196.15
1 Stainless Steel Probe	350-97942	196.15
2 Stainless Steel Probes	350-97945	208.40

**Traceable\* Thermometer / Clock / Humidity Monitor**

- Simultaneously displays time of day, temperature, and humidity
- At the touch of a button, memory recalls the highest and lowest temperature and humidity readings
- Internal sensors make it ideal for use in hoods, storerooms, cleanrooms, incubators, drying chambers, and environmental cabinets
- Clock displays AM/PM or 24-hour military time to the exact minute with 0.01% accuracy
- Noting changes is easy with the triple display
- Permits monitoring conditions overnight, on weekends, or any time period
- Includes an individually serial-numbered Traceable\* Certificate to assure accuracy
- Supplied with a wall mount, built-in stand, and battery



**Specifications:**

- Temperature range: 0 to 50°C (32 to 122°F)
- Temperature resolution: 0.1°
- Temperature accuracy: ±1°C
- RH range: 20 to 90%
- RH resolution: 0.01%
- RH accuracy: ±5% mid-range, otherwise ±8%
- Timing capacity: 12/24 hours
- Timing accuracy: 0.01%
- Timing resolution: 1 minute
- LCD digit size: 5/8 in.
- Dimensions: 4 1/4 x 2 1/4 x 1 1/2 in.
- Weight: 2 1/2 ounces

Catalog No.	Each
350-36808	59.15

**Traceable\* Memory-Card Refrigerator/Freezer Thermometers**

- 256 mb SD memory card captures 5.9 million readings
- Records readings from once per minute up to once every 720 minutes
- Unit meets all current CDC requirements and recommendations for vaccine monitoring and storage
- Memory card reader plugs directly into USB port; no additional software needed
- Alarm sounds and LED flashes when temperature moves above or below user-set trip points
- Unique 4-line display shows temperature of detachable bottle probe, ambient temperature, humidity, and time
- Temperature range: -30 to 70°C (-22 to 158°F)
- Temperature accuracy: ±0.5°C from 0 to 25°C; ±0.6°C from 25 to 70°C; ±1.2°C from -30 to 0°C and 50 to 70°C
- Temperature resolution: 0.1°
- Humidity range: 0 to 99.9%
- Humidity accuracy: ±5% at 25°C from 20 to 85%; ±7% elsewhere
- Humidity resolution: 0.1%
- Cat. No. 350-97810 is ideal for monitoring refrigerators and freezers
- Cat. No. 350-97813 is ideal for QC and research
- Supplied with: Traceable\* Certificate, memory card and reader, batteries, magnetic strips, Velcro\*, flip open stand, and adapter



Probe Type	Catalog No.	Each
Bottle Probe	350-97810	294.80
Stainless Steel Probe	350-97813	300.05

**Traceable\* Digital-Bottle\* Refrigerator/Freezer Thermometers**

- Accurately monitor temperature in freezers, refrigerators, incubators, and environmental chambers with this temperature-buffered sensor
- Bottle and solution insulate sensor from rapid changes
- Solution mimics exact temperature of samples
- Stainless steel sensor/probe assures long product life
- Entire unit is waterproof
- Chemical resistant ABS plastic holder stands on a shelf or affixes to a refrigerator wall
- Bottle may be removed from holder
- Bottle is filled with either glass beads or a nontoxic glycol solution that is GRAS (generally recognized as safe) by the FDA
- Temperature range: -22 to 122°F (-30 to 50°C)
- Temperature resolution: 0.1°
- Temperature accuracy (standard models): ±1.0°C between -20 and 50°C
- Temperature accuracy (ultra models): ±0.4°C at tested points; otherwise ±1.0°C between -20 and 50°C
- Supplied with a Traceable\* Certificate, battery, holder, double-backed tape, and Velcro\*



Bottle Fill	Catalog No.	Each
<b>Standard</b>		
Solution	350-97948	61.05
Glass beads	350-98227	61.05
<b>Ultra</b>		
Solution	350-98224	76.30
Glass beads	350-98230	76.30

**Traceable\* Refrigerator/Freezer Thermometer with Vaccine Bottle Probe**

- Triple display simultaneously shows the minimum, maximum, and current temperatures
- Accurately monitor temperatures in freezers, water baths, heating blocks, incubators, and refrigerators with this enclosed temperature-buffered sensor
- Bottle insulates sensor from rapid temperature changes when refrigerator door is opened
- 10 ft. micro-cable permits refrigerator doors to close on it
- Solid-state probe eliminates mercury contamination in refrigerators
- Probe is sealed in a vaccine bottle filled with a nontoxic glycol solution that is GRAS (generally recognized as safe) by the FDA
- Eliminates concerns about contact with food or drinking water
- Temperature range: -50 to 70°C (-58 to 158°F)
- Temperature accuracy: ±1°
- Temperature resolution: 1°
- Dimensions: 2<sup>3</sup>/<sub>4</sub> x 4<sup>1</sup>/<sub>4</sub> x 3<sup>3</sup>/<sub>4</sub> in.
- Supplied with: Traceable\* Certificate, flip-open stand, wall mount, Velcro\*, and magnetic strips



Catalog No.	Each
350-98212	70.60

**STERILITY**

Sterilization is the elimination of all viable life forms and spores. Sterility is absolute. It is not possible for something to be “semi-sterile.” Sterility may be achieved by a number of different methods. The method is dependent on what is being sterilized. Dry heat, steam heat with pressure, disinfectants and filtration are methods commonly used to achieve sterility.

**H-B Instruments\* FRIO-Temp\* Certified Precision Liquid-In-Glass Verification Thermometers**

- Use to verify sample temperatures in freezers, refrigerators, incubators, and ovens
- Features PFA fluoropolymer safety coating
- Bottles are filled with environmentally safe, nontoxic, non-hazardous, biodegradable Enviro-Safe\* Liquid†
- Tested and calibrated in a triple accredited/registered ISO/IEC 17025:2005, A2LA accredited laboratory
- Individually serialized
- Includes detailed calibration report stating corrections to one-tenth of the smallest division and a multi-language Statement of Accuracy traceable to NIST and DKD/PTB



†Bottle for Catalog No. 354-29368 is filled with glass beads

Temperature Range	Length in. (mm)	Accuracy (±)	Certification Point(s)	Thermometer Fill	Catalog No.	Each	Case of 5
<b>Blood Bank</b>							
-5 to 20°C	5.3 (135)	0.5°C	4°C	Enviro-Safe*	<b>354-29377</b>	<b>305.50</b>	<b>1166.80</b>
<b>Freezer</b>							
-90 to 25°C	5.7 (145)	1°C (2° from -1 to 40°C; 2.5° below -40°C)	-40°C	Toluene	<b>354-29368</b>	<b>343.25</b>	<b>1311.15</b>
-30 to 1°C	5.3 (135)	0.5°C	-15°C	Enviro-Safe*	<b>354-29374</b>	<b>306.55</b>	<b>1170.95</b>
-25 to -5°C	8.3 (210)	0.2°C	-20, -10°C	Organic	<b>354-29353</b>	<b>298.10</b>	<b>1138.50</b>
<b>Incubator</b>							
15 to 30°C	7.1 (180)	0.2°C	20, 25°C	Organic	<b>354-29359</b>	<b>303.15</b>	<b>1157.95</b>
15 to 50°C	5.3 (135)	0.5°C	37°C	Enviro-Safe*	<b>354-29380</b>	<b>306.55</b>	<b>1170.95</b>
25 to 45°C	7.5 (190)	0.2°C	30, 40°C	Organic	<b>354-29362</b>	<b>305.55</b>	<b>1166.95</b>
<b>Oven</b>							
95 to 115°C	7.9 (200)	0.4°C	100, 110°C	Organic	<b>354-29365</b>	<b>303.15</b>	<b>1157.95</b>
<b>Refrigerator</b>							
-5 to 15°C	4.9 (125)	0.5°C	6°C	Enviro-Safe*	<b>354-29371</b>	<b>304.25</b>	<b>1162.15</b>
-2 to 10°C	7.1 (180)	0.2°C	0, 5°C	Organic	<b>354-29356</b>	<b>308.05</b>	<b>1176.65</b>

**Wheaton\* E-Z Crimpers\***

- Used to attach aluminum seals to bottles and vials with a crimp/serum finish
- Cushioned ergonomic handle reduces hand fatigue
- Labeled for quick size identification
- Polished crimping jaws provide consistent sealing
- Autoclavable
- 2 year manufacturer warranty



Attaches	Catalog No.	Each
13 mm Standard Seals	<b>149-18031</b>	<b>332.40</b>
20 mm Standard Seals	<b>149-18034</b>	<b>334.15</b>

**Wheaton\* Crimpers for Flip Cap Seals**

- Hand operated
- Can be used to easily attach flip cap seals
- Not autoclavable
- 1 year manufacturer warranty



Attaches	Catalog No.	Each
13 mm Flip Cap Seals	<b>149-17986</b>	<b>420.65</b>
20 mm Flip Cap Seals	<b>149-17989</b>	<b>420.65</b>

To Order – Call 800.772.8786

**Wheaton\* E-Z Decapper\***

- Used to remove aluminum seals from bottles and vials with crimp/serum finish
- Cushioned ergonomic handle reduces hand fatigue
- Labeled for quick size identification
- Autoclavable
- 2 year manufacturer warranty



Removes	Catalog No.	Each
13 mm Standard Seals	149-18043	359.15
20 mm Standard Seals	149-18046	360.90

**Wheaton\* a.C.t.\* Battery Powered Crimping Tools**

- Battery powered crimpers and decappers fit standard laboratory vials and seals
- Electronically adjustable cycle is accurate and reproducible
- Ergonomically designed to reduce strain and arm injury associated with many manual crimping tools
- The tool can be recharged in one to two hours with the universal power supply included
- The power supply includes a plug set for operation in most countries
- Powerful motor with a fast cycle
- Convenient controls on top of unit to adjust crimp
- Long lasting battery with lithium ion technology - up to 800 crimps per charge
- Advanced charging system including warning light when recharging is necessary
- Can be operated while charging
- Optional base and mounting kit available separately (Cat. No. 659-10038)
- Crimping Tool for flip-off caps is not for use with flip-up caps



Size (mm)	Catalog No.	Each
<b>Crimping Tool</b>		
13	349-46372	855.75
20	349-46387	855.75
<b>Crimping Tool for Flip-off Caps</b>		
13	349-46378	855.75
20	349-46393	855.75
<b>Decapping Tool</b>		
13	349-46375	855.75
20	349-46390	855.75

**Wheaton\* a.C.t.\* High Performance Crimping and Decapping Tools**

- High Performance Crimping Tool is designed with interchangeable jaws
- Jaw sets are available as crimper or decappers which fit standard vial seals with aluminum or two-part aluminum/steel caps (sold separately)
- Ergonomically designed to reduce strain and arm injury
- Fast and powerful
- Strong enough for all steel and magnetic caps
- Designed with external power source and cord (no battery)
- Stores up to 9 programs for different caps and seals
- Optional base and mounting kit (available separately, Cat. No. 659-10038)
- Flip Cap Crimper & Decapper is for flip-off caps, not for use with flip-up caps



Jaw Set Included	Size (mm)	Catalog No.	Each
No Jaw Set	—	349-46396	1404.80
Crimper	20	349-46399	1841.85
Crimper & Decapper	20	349-46402	2357.50
Flip Cap Crimper & Decapper	20	349-46405	2357.50

**Wheaton\* a.C.t.\* Jaw Sets for High Performance Crimping and Decapping Tools**

- Jaw sets for use with a.C.t.\* High Performance Crimping and Decapping Tools
- These jaw sets are available as crimper or decappers
- They fit standard lab vial seals with aluminum or two-part aluminum/steel caps



Size (mm)	Catalog No.	Each
<b>Crimping Jaws</b>		
13	659-10026	411.20
20	659-10017	411.20
<b>Flip Cap Crimping Jaws</b>		
13	659-10032	411.20
20	659-10035	411.20
<b>Decapping Jaws</b>		
13	659-10029	411.20
20	659-10020	411.20

**Wheaton\* Stand for a.C.t.\* Crimping Tools**

- Stand for a.C.t. High Performance Electric or Battery Powered Crimping Tools



**DID YOU KNOW?**

The typical human body hosts as many bacterial cells as it contains human cells.

Catalog No.	Each
659-10038	200.70

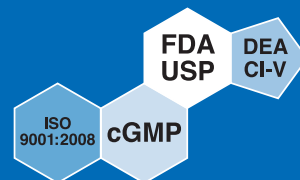
**1000  
USP**

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chemicals in the industry

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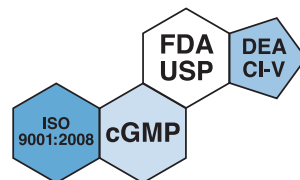
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