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Supporting full visibility and compliance for chemicals

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Reducing complexity – a key focus

In the production space, reducing complexity is essential to optimizing output and achieving consistent performance. This process doesn't happen overnight – but we are ready and able to support you every step of the way.

Avantor is a trusted global partner to customers and suppliers in the life sciences, advanced technologies and applied materials industries. We offer a unique combination of innovation, products, supply chain excellence and custom-tailored services. Combined with access to experts in every stage of the production process, we work with you to achieve your goals faster.

Contact us now and put Avantor to work for you.



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Stylish and secure protection

VWR COLLECTION

solutions for protection

VWR® VISITOR SPECS

VWR® Visitor Specs offer stylish and secure protection with an array of comfort features to enable extended use.

- Designed to fit comfortably over most prescription glasses
- Wraparound styling offers unobstructed peripheral vision
- Contoured protective brow guard and molded-in comfort nose bridge
- Impact-resistant, scratch-resistant polycarbonate lenses
- Provides 99.9% UV protection

Frame color	Lens coating	Lens tint	Unit	Cat. No.
Clear	Anti-Scratch	Clear	Pack of 12, Case of 144	89187-988



Splash protection

KIMBERLY-CLARK PROFESSIONAL® KLEENGUARD™ V80 REVOLUTION™ PROTECTIVE GOGGLES

When you need splash protection, anti-fog lenses, and a sleek look all rolled into one, trust KleenGuard™ Revolution™ OTG Safety Goggles.

- Universal size (one size fits most)
- Meets ANSI Z87.1+ standard for impact protection with a D3 rating for droplet and splash protection
- Polycarbonate lenses provide 99.9% UVA/UVB/UVC protection
- Indirect ventilation protects from splashes and provides increased airflow to minimize condensation and fogging
- The lens is hardcoated for scratch protection and longer life
- Fits over most prescription eyeglasses and features adjustable headband buckles for a snug fit

Description	Frame Color	Cat. No.
KleenGuard™ V80 Revolution™	Blue	89135-145





solutions for protection

VWR® BASIC PROTECTION SPP BOUFFANT CAPS

Caps are manufactured from a spunbonded polypropylene (SPP) fabric that is strong, lightweight, and breathable. They protect against dirt, grime, and certain dry particulates in nonhazardous environments. These general-purpose garments are ideal for less critical areas or pre-gowning entry rooms.

- Economical first-line barrier
- Non-linting
- Latex-free

Size, in.	Color	Cat. No.
Pleated, Latex-Free	·	
21	White	89522-670
24	White	89522-672
Latex-Free		
21	Blue	89131-620
21	White	89107-768
24	Blue	89131-622
24	White	89107-770
28	White	89186-064
28	Blue	76003-494





Comfort & protection

KIMBERLY-CLARK PROFESSIONAL® KIMTECH PURE® M3 POUCH-STYLE FACE MASKS

Comfortable, pouch-style mask features a large breathing chamber, soft white inner facing, and a gap guard to cover the neck. Meltblown polypropylene filter media provides bacteria filtration efficiency (BFE) of 99.3% and particle filtration efficiency (PFE) of 99.9%.

- Mask is secured with two knitted headbands
- Mask is BICOSOF® inner fabric provides exceptional comfort
- Available in nonsterile or sterile format
- Color: White

Sterility	Case of	Cat. No.
Nonsterile	300	15628-191
Sterile	200	89166-186

KIMTECH













Designed for ease of use

ANSELL'S RABS & ISOLATOR GLOVES

- Designed for high resistance against concentrated acids and bases
- Soft, flexible material designed for ease of use
- Withstands temperatures up to 120°C

Ansell is excited to announce its RABS & Isolator glove portfolio. We can now offer CSM, nitrile, neoprene, and EPDM in a variety of thicknesses, port sizes, and hand sizes. We are industry leading in lead times, quality, and product support with a dedicated team to support our gloves.

All materials come in 32" or 33" lengths, thicknesses range from 12mil to 24mil, with ambidextrous hands in sizes of 9.5, 9.75, and 11. Port sizes range from 7" to 12".

Description	Port Sizes, (in.)	Length, (in.)	Thickness, (mil)	Ambidextrous Hand	Cat. No.
CSM Isolator &		, (,	()		
RABS Glove	8, 10, 12	33	16 or 24	9.5 or 11	76408-460
Nitrile Isolator					
& RABS Glove	8, 10, 12	32	12 or 20	9.75	76316-253*
Neoprene					
Isolator &					
RABS Glove	7, 8, 10, 12	28 or 32	20 or 30	9 or 10	76413-624
EPDM Isolator					
& RABS Glove	8, 10, 12	33	16 or 24	9.5 or 11	76408-460

^{*}This specific product is not available in Canada. Please contact your VWR Sales Representative to learn about easy access to similar options available in your region.

Superior protection

solutions for protection

VWR® STERILE SLEEVES

- Excellent breathability and water vapor transmission rate
- Superior fluid and particulate barrier
- Lowest level of particle shedding
- Durable yet soft, cloth-like fabric
- Gamma irradiated to SAL of 10⁻⁶
- Color: White

VWR® Sterile Sleeves are manufactured from a specially formulated breathable microporous fabric that provides significant fluid and barrier protection. Garments exhibit excellent water vapor transmission to optimize user comfort.

Sleeves feature elastic openings and sonically welded seams. They are available in two versions: with thumb loops or without.

Sleeves are rigorously tested and manufactured in an ISO certified facility under stringent process controls to ensure that each product meets exacting quality standards and performs to specification. Products are validated through independent lab testing.

Size	Length, cm (in.)	Cat. No.
Sterile Sleeves without Thumb Loop		
Universal	49.5 (191/2)	414004-510
X-Large	54.6 (211/2)	414004-511
Sterile Sleeves with Thumb Loop		
Universal	49.5 (191/2)	76169-446
X-Large	54.6 (211/2)	76169-448

White Knight cleanroom garments with ESD grid



WHITE KNIGHT CLEANROOM HOOD

These reusable hoods are made with a high-density non-linting material that is rated for ISO Class 3+ cleanrooms requiring electrostatic dissipation (ESD).

- Hoods have a tunneled elastic back plus horizontal and vertical adjustment snaps
- They feature a split-drape design, with the front panel longer than the back
- All seams are laser-cut or pre-serged
- Thread is silicon-free
- They include a 1% carbon grid
- Suitable applications include micro-electronics, semi-conductor manufacturing, and nano research

Size	Cat. No.
White	
Small	89495-910
Medium	89495-912
Large	89495-914
X-Large	89495-916
Navy	
Small	89495-926
Medium	89495-928
Large	89495-930
X-Large	89495-932





WHITE KNIGHT CLEANROOM COVERALL

Made with durable ESD grid material and advanced garment construction methods, these reusable coveralls stand up to repeated launderings while still maintaining particle control. Coveralls include knit cuffs with 5% carbon Belltron fiber, a full-length, lint-limiting front zipper with two top snaps at neck, and a mandarin collar. The bottom of the legs include three male snaps and one female snap for adjustment, plus three male snaps on the back of the leg for boot attachment.

- All seams are laser-cut or pre-serged
- The fabric features a 1% carbon grid that guards against airborne particles, bacteria, and lint
- Thread is silicon-free
- Designed for controlled environments that need electrostatic dissipation

Size	Cat. No.
White	
Small	89495-872
Medium	89495-874
Large	89495-876
X-Large	89495-878
Navy	
Small	89495-890
Medium	89495-892
Large	89495-894
X-Large	89495-896

Please visit vwr.com for additional sizes and styles.



WHITE KNIGHT CLEANROOM BOOTS

With a unique anti-slip tread pattern featuring 30% more traction and a high sidewall, these reusable molded-sole cleanroom boots provide superior performance in both wet and dry environments.

- Three male snaps and one female snap at top for size adjustment, plus one reinforced snap on back of boot for coverall leg attachment
- Buckle includes color-coded webbing for easy size identification
- They are gamma sterilization stable and made with 1% carbon grid fabric for excellent electrostatic dissipation (ESD)
- Applications include micro-electronics, semi-conductor manufacturing, and nano research

Size	Cat. No.
White	
Small	89495-941
Medium	89495-943
Large	89495-945
X-Large	89495-947
Navy	
Small	89495-955
Medium	89495-957
Large	89495-959
X-Large	89495-961

Please visit **vwr.com** for additional sizes and styles. These products are not available in Canada. Please contact your VWR Sales representative to learn about similar options in your region.





How to choose a cleanroom mask

By Damon Larkin, Kimberly-Clark Professional

When someone sneezes, particles exiting the nasal passages have been clocked at more than 100 miles per hour. That's just one of the reasons why selecting the right cleanroom face mask is so critical



- 1. Identify the work environment. Do you need a mask for a pharmaceutical or biotech environment? For semiconductor, electronics or medical device manufacturing? Different environments require different protection. Your distributor or manufacturer can help you select the right mask for your needs.
- 2. Choose the appropriate style. Traditional pleated masks fit close to the face and some offer exceptional breathability. However, if the mask touches your lips or gets wet, consider a pouch style. Pouch designs keep masks from getting damp. They also have a larger breathing chamber, which makes breathing easier, and a consistent seal to reduce fogging.
- 3. Determine the attachment.
 For a secure fit that will reduce the risk of particles escaping, look for masks with durable, ultrasonically bonded ear loops and ties. Some masks also are available with knitted headbands or snaps to ensure a tight facial seal.

HOW TO DON A CLEANROOM MASK

In a cleanroom environment, the right mask is essential for preventing contamination from skin flakes, oils, perspiration and hair as well as for protecting the cleanroom operator from known and unknown risks.

Selecting the right cleanroom face mask is a crucial first step. After you've made your selection, **follow these steps to get a proper fit:**

- **1. Make sure the pleats or pouches point down**, to avoid picking up contaminants or debris.
- 2. Put the mask on with the shiny side on the outside and the softer material on the inside.
- **3. Adjust the head attachment**. If you have trouble tying the mask behind your head, stand still and close your eyes while doing it.
- **4. Pinch the bridge of the mask.** This will help fit the mask to your face and minimize fogging if you are wearing goggles or glasses.
- **5.** Last, **remember to smile when wearing a mask**. Even if your coworkers can't see you, it will make you all feel better!



Excellent breathability



solutions for protection

VWR® BASIC PROTECTION SMS LAB COATS

Manufactured from a multilayered spunbonded-meltblown-spunbonded (SMS) fabric that offers high tensile strength while remaining soft, comfortable, and breathable.

- Multilayer SMS material protection
- Light fluid and particulate barrier
- One breast pocket and two hip pockets
- Serged seams
- Suited for use in high-class protection areas of medical, industrial, laboratory, electronic, and pharmaceutical environments

Size	Cat. No.
Blue	
Small	414004-359
Medium	414004-358
Large	414004-355
X-Large	414004-356
White	
Small	414004-366
Medium	414004-362
Large	414004-363
X-Large	414004-361

Please visit vwr.com for additional sizes and styles.





solutions for protection

VWR® BASIC PROTECTION SMS COVERALLS

Manufactured from a unique multilayered spunbonded-meltblown-spunbonded (SMS) fabric that offers high tensile strength while remaining soft, comfortable, and breathable. These static-dissipative garments act as a fluid and particulate barrier without sacrificing comfort or restricting movement. Feature inset sleeves, front zipper, tapered collar, and elastic cuffs, ankles, and back. Provide light chemical splash resistance. The material is low-linting and resistant to tears and punctures. Ideally suited for use in high-class protection areas of medical, industrial, laboratory, electronic, and pharmaceutical environments.

- Multilayer SMS material protection
- Light fluid and particulate barrier
- Excellent breathability
- No pockets
- Serged seams

Size	Cat. No.
Blue	
Small	414004-328
Medium	414004-327
Large	414004-325
X-Large	414004-324
XX-Large	414004-322
White	
Medium	414004-333
Large	414004-331
X-Large	414004-330

Please visit vwr.com for additional sizes and styles.





Excellent barrier protection



solutions for protection

VWR® POWDER-FREE LATEX EXAMINATION GLOVES

Textured surface for optimal grip, improved tactile sensitivity and elasticity to promote reduced hand fatigue, and excellent barrier protection from blood-borne pathogens.

- Powder-free
- Fully textured finish with beaded cuffs
- Ambidextrous
- Thickness: 5.5 mil (Finger), 4.5 mil (Palm), 4 mil (Cuff)
- Natural color
- Length: 9.5"

Size	Cat. No.
Small	76319-666
Medium	76319-668
Large	76319-670
X-Large	76319-672

Maximum breathability



solutions for protection

VWR® BASIC PROTECTION SPP SHOE COVERS

These spunbonded polypropylene (SPP) shoe covers protect against dirt, grime, and certain dry particulates in nonhazardous environments.

- Economical, disposable first-line barrier
- Low linting
- Available with rubber-coated soles for secure footing on wet or dry surfaces
- Elastic top and bottom
- Appropriate for industrial, pharmaceutical, food processing, construction, and certain environmental cleanup applications

Description	Size	Cat. No.
Anti-Skid Shoe Covers	X-Large	414004-653
Anti-Skid Shoe Covers	Universal	97041-236
Heavy Weight Anti-Skid Shoe Covers	Universal	89233-794
Standard Shoe Covers	Universal	97041-234

Uncomplicated, uncompromising protection



Introducing DuPont™ Tychem® Gloves









Tychem® NT430

Tychem® NT480

Tychem® NP530

Tychem® NP570 CT

When paired with a suitable Tychem® Garment, DuPont Personal Protection provides a single system for workplace chemical hazard protection needs.

Tychem® NT430 Nitrile Gloves provide resistance to oils, hydrocarbons, and greases. These lightweight gloves have a "second-skin" feel and are easy to put on and remove.

Tychem® NT480 Nitrile Gloves are resistant to a range of solvents, animal fats, and other chemicals. A flock-lining provides enhanced comfort and the bisque finish allows for secure handling in wet and dry conditions.

Tychem® NP530 Neoprene Gloves are resistant to a wide range of chemicals while remaining comfortable, flexible, and tactile sensitive.

Tychem® NP570 CT Neoprene Gloves protect against the dual risk of chemical exposure and cut with ANSI level A5 cut protection.

	Case Count	Cat. No.
Tychem® NT430 N	itrile Gloves - 9 mil Thickness	
6	144 pair	76323-410
7	144 pair	76323-412
8	144 pair	76323-414
9	144 pair	76323-458
10	144 pair	76323-460
11	144 pair	76323-462
Tychem [®] NT480 N	itrile Gloves - 15 mil Thickness	
6	144 pair	76323-492
7	144 pair	76323-494
8	144 pair	76323-496
9	144 pair	76323-498
10	144 pair	76323-500
11	144 pair	76323-502
Tychem® NP530 N	eoprene Gloves - 26 mil Thickness	
7	144 pair	76323-506
8	144 pair	76323-508
9	144 pair	76323-510
10	144 pair	76323-512
Tychem® NP570 C	T Neoprene Cut-Resistant Gloves - 68 mil Thick	ness
8	72 pair	76323-522
9	72 pair	76323-524
10	72 pair	76323-526
11	72 pair	76323-528

Additional styles available on vwr.com.

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Tyvek.



Multi-hazard fabric technology

Dependable protection across a variety of applications







Tychem® 2000



Tychem® 2000 SFR

Tyvek® 400 provides the ideal balance of protection, durability, and comfort. Tyvek® 400 fabric offers an inherent barrier against particles (down to 1.0 micron in size).

Tychem® 2000 utilizes the strength of DuPont™ Tyvek® fabric and a polyethylene coating. Lightweight and durable, Tychem® 2000 fabric provides at least 30 minutes of protection against 42 chemical challenges.

Tychem® 2000 SFR garments provide chemical and secondary flame protection in a lightweight garment. Tychem® 2000 SFR garments are intended to be worn over primary flame resistant garments, like DuPont™ Nomex®.

Size	Case Count	Cat. No.
Tyvek® 400 l	Hooded Coveralls	
Medium	25	12000-580
Large	25	12000-582
X-Large	25	12000-584
2X-Large	25	12000-586
3X-Large	25	12000-588
4X-Large	25	12000-590
5X-Large	25	13452-890
7X-Large	25	10016-700
Tychem® 200	00 Hooded Coveral	ls
Medium	12	10010-252
Large	12	10010-254
X-Large	12	10010-256
2X-Large	12	10010-258
3X-Large	12	10010-260

Size	Case Count	Cat. No.
4X-Large	12	10010-262
5X-Large	12	10016-404
6X-Large	12	10016-406
Tychem® 200	00 SFR Hooded Cov	veralls
Small	4	76202-702
Medium	4	76202-704
Large	4	76202-706
X-Large	4	76202-708
2X-Large	4	76202-710
3X-Large	4	76202-712
4X-Large	4	76202-714
5X-Large	4	76202-716
6X-Large	4	76202-718
7X-Large	4	76202-720

Additional styles available on **vwr.com**.

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Sterile, clean-processed & low-linting garments for your controlled environment









-240

89129-684

89127-350

TYVEK® ISOCLEAN® GARMENTS & ACCESSORIES

DuPont Personal Protection offers a wide variety of single-use garments and accessories with clean & sterile, sterile, clean, and nonsterile bulk processing options to accommodate a broad range of controlled environments.

- Tyvek® IsoClean® IC253 option CS coveralls are clean-processed and sterilized to a SAL of 10⁻⁶
- Tyvek® Micro-Clean® 2-1-2 CC252 option OS coveralls are sterilized and deliver the particle barrier, durability, and comfort of Tyvek® with a unique blue color, which can help identify types of workers in your controlled environment
- Tyvek® IsoClean® IC458 option 0C boot covers are cleanprocessed to minimize particle shedding, and have Gripper™ soles for enhanced slip resistance
- Tyvek® IsoClean® IC501 option 0B sleeves are a convenient, low-linting option for your controlled environment. Sleeves are 18" long and one size fits most. Sterile and clean-processed options are also available
- Other styles available at vwr.com

	Case Count	Cat. No.
Tyvek® IsoCled Sterile	an [®] Coveralls, Cle	an Processed,
Small	25	89127-240
Medium	25	89127-236
Large	25	89125-616
X-Large	25	89127-246
2X-Large	25	89127-212
3X-Large	25	89127-218
4X-Large	25	89127-224
5X-Large	25	89127-226
6X-Large	25	76187-508
7X-Large	25	76187-510

Size	Case Count	Cat. No.
Tyvek® Micro-	Clean® 2-1-2 Cove	ralls, Sterile
Small	25	89127-160
Medium	25	89129-592
Large	25	89127-154
X-Large	25	89127-164
2X-Large	25	89129-588
3X-Large	25	89127-146
4X-Large	25	89127-150
5X-Large	25	89129-590
Tyvek® IsoClean® Boot Covers, Clean Processed		
Small	50 pair	89129-684
Medium	50 pair	89127-334
Large	50 pair	89127-342
Tyvek® IsoClean® Sleeves, Bulk packaged		
Universal	100	89127-350

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Supporting full visibility and compliance for chemicals

Chemical Manager is Avantor's proprietary cloud-based, globally networked digital solution for container-level tracking of chemical inventory. Configurable to your process, the application allows you to:

- Track all chemicals across multiple locations
- Manage chemicals from any supplier
- Simplify data and analytics

Chemical Manager can be utilized by customers or supported by our team, who applies expertise and proven processes to drive efficiency and productivity in scientific operations.



Chemical Product Registration



Chemical Product
Maintenance



Material Maintenance



Container Maintenance



Document Manager



Chemical Location



Activity Log

KEY FEATURES OF CHEMICAL MANAGER

- Product catalog with chemical data such as:
 - Material name
- CAS Number
- Manufacturer name
- Physical state
- Chemical formula
- Chemical classification
- HMIS/GHS classifications
- Container status tracking
- Open container usage expiry tracking
- Chemical location tracking with control zone roll up
- Configurable item level catalog fields
- Document manager
- Activity log Track container lifecycle registration to disposal

Avantor Services helps scientific organizations solve complex challenges, resulting in improved productivity, increased efficiency, and accelerated innovation.

✓ avantor™



REPORT MANAGEMENT

Chemical Manager provides a full suite of reports allowing real-time visibility to your on-hand chemicals. You can schedule your reports for ease of use or run them on demand. Chemical Manager is designed to provide you with the flexibility you need to manage your chemicals day-to-day.

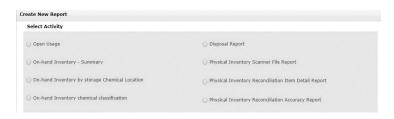
PHYSICAL INVENTORY

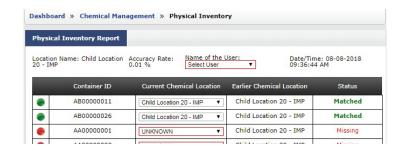
Validating the location of your chemicals has never been easier with our Chemical Manager physical inventory app. Our offline optional application allows for quick scans of your chemical locations and containers.

Our highly experienced team will work with you to get Chemical Manager tailored to your needs. Supported by our technology team, Chemical Manager is powered by our Inventory Manager platform to allow optional dual system setup.

Other Digital Services Available:

- Inventory Manager
- Equipment Manager





Do you need help streamlining scientific workflows?

Visit vwr.com/avantor_services or email services@avantorsciences.com for more information.

Convenient & effective

Cidehol70 Decor

16 oz. and 32 oz. spray bottles are back in stock!



CIDEHOL 70 70% ISOPROPYL ALCOHOL

Decon's CiDehol 70 is a 70% (v/v) Isopropyl Alcohol (IPA) solution that meets USP specifications. It is filtered to 0.2 μ m and can be used to clean surfaces and hoods in microbiology labs and tissue culture labs and is effective in cleaning surfaces and process equipment in pharmaceutical, biotechnology, and medical device facilities. IPA solution evaporates away completely so no rinse is required. CiDehol 70 Isopropyl Alcohol solution is packaged in ready-to-use trigger spray bottles with heads attached and other convenient sizes up to 55 gallon drums.

CiDehol 70 is available as a sterile product - CiDehol ST which is packed in a 12×16 oz. and 12×32 oz. trigger spray and also a 4×1 G. Sterile products are gamma-irradiated to SAL 10-6 and tested for sterility. Each case is shipped with lot specific document detailing QC parameters, irradiation, endotoxin and sterility testing.

Size	Cat. No.
16 oz.	89125-206
32 oz.	89125-208
1 Gallon	89125-210
5 Gallon	89125-212
55 Gallon	89125-214

From benchtop to bulk: TCI for your next project

SYNTHETIC ORGANIC, MATERIALS, ANALYTICAL & LIFE SCIENCE PRODUCTS

TCI OFFERS A WIDE ARRAY OF PRODUCTS TO MEET TODAY'S DEMANDING NEEDS

TCI is a world leader in specialty organic chemicals. We serve companies within the pharmaceutical, semiconductor, and functional materials industries and are here to help you succeed in your long-term, large scale production projects. Without compromising quality, TCI helps customers increase productivity and reduce costs through effective supply chain management practices. We offer more than 30,000 products, many of which are available in benchtop-to-bulk quantities!

- High quality building blocks, intermediates, and testing materials available now
- Fast, local quoting process for bottle and bulk requests
- Quality tested at the lot level to ensure consistency

For a full listing of TCI products, please visit vwr.com/tcichemicals



(i)ehoil 70





High-performance, best-in-class purification

Visit vwr.com/ prochieva



J.T.BAKER® BAKERBOND® PROCHIEVA® RECOMBINANT PROTEIN A AFFINITY CHROMATOGRAPHY RESIN

Designed and manufactured by Avantor to the high standards established for our J.T.Baker® brand chemicals, reagents, and chromatography products, new J.T.Baker® BAKERBOND® PROchievA™ recombinant protein A chromatography resin offers high performance in the critical affinity chromatography step of mAbs manufacturing. BAKERBOND PROchievA provides best-inclass purification for monoclonal antibodies (mAbs), FC fusion proteins, and IgG antibody molecules.

- Proprietary protein A ligand developed by Avantor demonstrates excellent dynamic binding capacity for mAbs and improved protein purification capability in cuttingedge products
- Traditional particle size allows for use of established column packing procedures and operating protocols
- Conveniently packaged in a non-hazardous and nonflammable storage buffer, eliminating burdensome shipping, handling, and storage requirements



Size	Box of	Cat. No.
1 mL	1	JTC789-11
1 mL	5	JTC789-07
5 mL	1	JTC789-18
5 mL	5	JTC789-25

This item is temperature-controlled and may have specific temperature and storage requirements for shipping/delivery. Contact your VWR sales representative for special pricing.

Avantor Seradigm Select Grade FBS provides superior performance and consistency in cost-sensitive applications. Discover the complete Avantor Seradigm portfolio at vwr.com/Seradigm.

Avantor single-use solutions



AVANTOR SINGLE-USE BIOPROCESSING BAGS

Featuring proprietary FlexFilm™ material—a thick, co-extruded film featuring polyethylene inner and outer layers that provide extra resistance to a wide range of chemicals—Avantor single-use bags are stocked and readily available in a range of standard sizes to meet the needs of many bioprocessing applications.

Description	Cat. No.
1 L Pillow Bag, 2 Ports Welding	76358-682
1 L Pillow Bag, 2 Ports Luer	76358-684
1 L Pillow Bag, 2 Ports MPC	76358-686
10 L Pillow Bag, 3 Ports Welding	76358-688
10 L Pillow Bag, 3 Ports MPC	76358-690
20 L Pillow Bag, 2 Ports Welding	76358-692
20 L Pillow Bag, 3 Ports MPC	76358-694
5 L Pillow Bag, 3 Ports Welding	76358-696
5 L Pillow Bag, 3 Ports MPC	76358-698
50 L Pillow Bag, 2 Ports Welding	76358-700
50 L Pillow Bag, 3 Ports MPC	76358-702
50 mL Pillow Bag, 2 Ports Welding	76358-704
50 mL Pillow Bag, 2 Ports Luer	76358-706
50 mL Pillow Bag, 2 Ports MPC	76358-708
500 mL Pillow Bag, 2 Ports Welding	76358-710
500 mL Pillow Bag, 2 Ports Luer	76358-712
500 mL Pillow Bag, 2 Ports MPC	76358-714

3D bags available in 100L, 200L and 500L top ported bag chambers are stocked for customization; other configurations and volumes up to 3000L can be custom manufactured.



Steril Enz Single-Use

AVANTOR HIGH PRESSURE SINGLE-USE HOSE WITH STERILENZ CONNECTORS

Avantor's high-pressure single-use transfer hose with Avantor SterilEnz™ connections maintain the durability of high-pressure hose products while providing the benefits and flexibility of single-use assemblies.

Description	Cat. No.
60" length and 1" ID	76379-730
120" length and 1" ID	76379-732

Learn more about Avantor's single-use solutions at vwr.com/single-use







Contamination control

solutions for production

VWR® PURESTEP ADHESIVE MATS

Multi-layered contamination control mats remove and contain dirt and dust from foot traffic and equipment wheels.

- Mats consist of 30 or 60 sheets of 1.5 mil low-density polyethylene film
- Each sheet has a 0.3 mil thick acrylic-based, pressuresensitive adhesive coating
- Antimicrobial agent protects against growth of bacteria, mold, and fungus
- Numbered tabs ensure one-at-a-time sheet removal
- Mats can easily be removed during routine floor maintenance
- Available with or without high-tack adhesives

30-LAYER MATS

L x W, cm (in.)	Color	Case of	Cat. No.
61 × 91.4 (24×36)	Blue	8	87004-040
76.2 × 61 (30 × 24)	Blue	4	87004-000
76.2 × 61 (30 × 24)	White	4	87004-006
91.4 × 45.7 (36 × 18)	Gray	8	87004-018
91.4 × 91.4 (36 × 36)	Blue	8	87004-064
114.3 × 45.7 (45 × 18)	Blue	8	87004-028
152.4 × 91.4 (60 × 36)	White	4	87004-092

Please visit **vwr.com** for a large variety of colors, sizes and styles.

CONTEC



Sterile & powerful

STERILE PERIDOXRTU® DISINFECTANT AND CLEANER

Sterile PeridoxRTU® is an EPA-registered sporicide, bactericide, virucide, tuberculocide, and fungicide one-step disinfectant and hard surface cleaner with a 3-minute sporicidal claim at 99.9999% efficacy. With its shorter kill times and powerful wetting agents, PeridoxRTU stays wet and works faster. The result - assured efficacy against hard-to-kill spores and other dangerous pathogens. Sterile PeridoxRTU is ideal for use in pharmaceutical, biopharmaceutical and medical device facilities.

Size	Case of	Cat. No.
0.9 L (32 oz.)	6	10148-324
3.8 L (1 gal.)	4	10746-534

Going green in the cleanroom

"Reduce, reuse, recycle" is not just a concept – it has become critical to the future of our planet. Much of the waste we generate is single-use plastic, with over 6.3 billion tons of plastic waste generated since 1950 when plastic first started to be used once and thrown away¹. Only 20% of this plastic waste gets recycled or incinerated, with the rest ending up in landfill or oceans¹. Plastic Oceans International estimate that at least 8 million tons of plastic end up in the oceans each year².

300 million tons of plastic are still being produced annually and we use more than 500 billion plastic water bottles a year. In the USA, 57.3 billion plastic water bottles were sold in 2014 – an increase from 3.8 billion plastic water bottles sold in 1996². In the UK, an estimated 7.7 billion plastic beverage bottles are used each year, 700,000 plastic bottles are littered every day³. These plastic bottles have an estimated life span of 450 years⁴.

More and more companies – especially multi-nationals – are aware of their environmental impact and are trying to incorporate sustainable business practices. Pharmaceutical companies are increasingly making public statements of sustainability. Corporate Knights publishes an annual list of the top 100 globally most sustainable companies; in 2020, 7 biopharmaceutical companies made the list: Sanofi, Astra Zeneca, Takeda, Novo Nordisk, UCB, Merck and GSK⁵.

SUSTAINABILITY IN A CLEANROOM

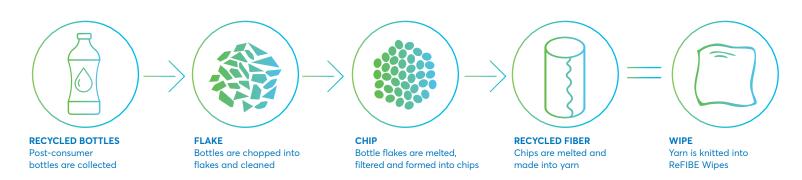
However, being sustainable in critical and cleanroom manufacturing environments presents a challenge. Not only are there high energy costs involved with running cleanrooms but the concept of reduce, reuse and recycle is difficult to put into practice. They use consumable products that cannot be recycled because of what they are made of, or because they have been contaminated with hazardous materials. Protected trigger spray bottles can neither be manufactured from recycled materials nor be recycled.

One option considered by cleanroom users to reduce the amount of single-use contamination control materials used in the cleanroom is to launder and resterilize them. This is not a new concept, and gowns and garments are regularly laundered and reused. However, there are risks associated with this option for wipes and mops used in high-grade areas.

RELAUNDERING CLEANROOM CONSUMABLES

Best practice for both wipes and mops in a cleanroom environment is to use single-use disposable products. This reduces the risk of cross contamination and ensures that contamination is physically removed from the cleanroom environment at

Contec Inc.'s process for making ReFIBE - the industry's first polyester cleanroom wipe made from recycled plastic bottles.





the end of a session. However, more and more facilities are considering laundering and re-using mops as both a potential cost-saving and a more sustainable alternative to single-use disposable products.

Since disposable mops are made from new materials to a validated process they provide a consistent and predictable performance and result. This result remains constant even over a long period of time, as a new mop with the same parameters is used every time. As shown by studies⁶, the effect of relaundering a mop can lead to the performance and quality of the mop changing over time due to the inevitable degradation of the reused mop. The laundry process can cause irreversible damage to the delicate structures of the wipe or mop. When evaluating a reusable mop, it is necessary to project the performance and quality over time in order to estimate the life cycle and therefore related costs of the mops. As the actual quality, contamination profile and performance of reusable mops will change over time, such deviation could result in unintended and potentially unacceptable risk to the customer's environment and subsequently product.

GREEN CONSUMABLES IN CRITICAL ENVIRONMENTS

Consumable manufacturers are becoming more and more aware that items produced need to have a more sustainable message. This can be incredibly difficult for many areas, including cleanroom environments. But just because it's difficult doesn't mean it's impossible.

Life science customers are looking to manufacturers for innovative and creative ways to assist them in building a sustainable message where they can in the production process. This can come from many areas including cleaning. Take a look at polyester for example: knitted cleanroom wipes are manufactured from polyester or PET, and plastic beverage bottles are also made from PET. Products made from PET – recycled polyester from post-consumer plastic bottles – are starting to become more prevalent in high-end clothing brands such as Patagonia, Fatface, Nike, O'Neil, Under Armour etc.. This is happening for clothing all over the world and is now happening for polyester wipes as well.

Sustainable options for cleanroom manufacturers are not without challenges, and not all "green" initiatives pass the risk assessment for cleanroom use, certainly in higher grade cleanrooms. A facility will need to do their research thoroughly and risk assess all outcomes before embarking on "green" initiatives such as relaundering.

However, all companies must look to do more to reduce their environmental impact, and the use of cleanroom wipes manufactured from post-consumer plastic is a small step to help with that. Every step, big or small, helps.

Contec ReFIBE: A knitted polyester wipe cleanroom wipe providing a sustainability story in a single-use world.

References

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- www.parliment.co.uk. 2 Plastic Bottle Waste in the UK https://publications.parliament.uk/pa/cm201719/cmselect/cmenvaud/339/33905.htm#footnote-117
- 4. The stark truth about how long your plastic footprint will last on the planet. The Telegraph 10 January 2018 www.telegraph.co.uk/news/2018/01/10/stark-truth-long-plastic-footprint-will-last-planet/
- 5. 2020 Global 100 ranking Corporate Knights 2020 Report
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Incorporate sustainability without compromising quality

CONTEC® REFIBE WIPES

Contec's ReFIBE wipes are made from 100% recycled plastic bottles, making them a sustainable single-use option for critical manufacturers in the Life Sciences, Pharmaceutical, Medical Device and Semi-



Conductor industries. The revolutionary recycling process converts post-consumer plastic to 100% continuous filament polyester, the same substrate used in many of Contec's standard polyester wipes and mops.

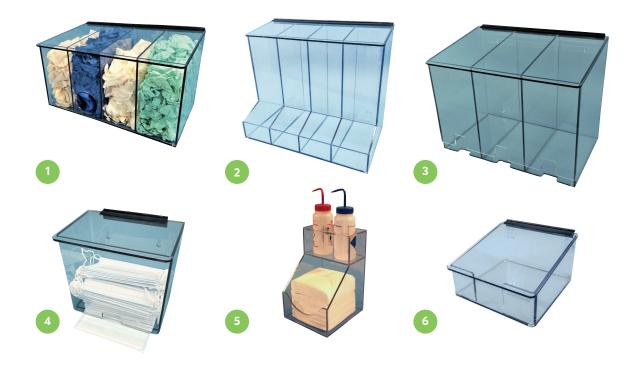
As synthetic polyester, ReFIBE wipes are exceptionally clean and are compatible with a wide range of cleanroom solutions and disinfectants. Like Contec's standard polyester wipes, ReFIBE is laundered and packaged in an ISO 4 cleanroom. Low in releasable particles and fibers, ReFIBE wipes can be used in place of traditional polyester to incorporate sustainability without compromising quality or performance. Available in 9x9" and 12x12" sizes.

Description	Material	W x L, cm (in.)	Packaging	Case of	Cat. No.
ReFIBE Wipes, Flat	•		75/Bag, 24 Bags/		
Stacked	Polyester	23×23 (9×9)	Case	1800	76417-116
ReFIBE Wipes, Flat			75/Bag, 10 Bags/		
Stacked	Polyester	30×30 (12×12)	Case	750	76417-118



Designed for use in controlled environments

- 1 Four-compartment glove dispenser
- 2 Four-compartment dispenser with tray
- **3** Three-compartment dispenser
- 4 Face mask dispenser
- 5 Wiper dispenser/bottle holder
- 6 Wiper dispenser



DISPENSERS TO ORGANIZE AND PROTECT YOUR PPE AND CLEANROOM SUPPLIES

Organize and maintain your personal protection equipment and cleanroom supplies. To see our full line of products, visit **vwr.com** and enter "S-Curve" in the search bar.

- Designed to organize supplies and protect from contamination
- Maximize space utilization in gowning room and production areas
- Keep supplies easily accessible and identifiable with clear dispensers
- Easy wall mounting and removal for cleaning
- All dispensers are available in chemical-resistant PETG material

Description	Cat. No.
4-Compartment Glove Dispenser	98106-922
4-Compartment Dispenser with Front Tray	10693-272
3-Compartment Dispenser for Packaged Gloves	89140-768
Earloop Face Mask Dispenser	32948-843
Wiper Dispenser for 9x9 Wipes; Holds Two Bottles	10027-878
Wiper Dispensers for 9x9 Wipes	89140-776

Trust the Plus! Safe & powerful: the new SafePlus™ cleaning solution



SAFEPLUS™ MICRONROLLS AND DISPENSERS

To achieve a high level of hygiene, the cleaning and disinfection of surfaces is becoming increasingly important. That is why Vileda Professional® offers the most hygienic and safe cleaning solutions for suface cleaning and disinfection in the SafePlus™ System.

- Remove up to 99.98% (3rd party tested) of bacteria and germs without the use of disinfectants
- Single-use microfiber wipe for effective cleaning, reducing cross contamination
- Hygienic & innovative dispenser with antibacterial and selfclosing flexible lid
- Preparation is easy, use a cleaning agent or disinfectant of your choice
- Certified (3rd party tested) antibacterial properties on flexible lid remains antibacterial even after 80 autoclave cycles

The SafePlus system is a single-use, microfiber wiping system that cleans and disinfects at the same time. The wipes provide quick and hygienic cleaning of all surfaces including high risk areas. The sealed poly-bags the wipes are packaged in fit perfectly in the dispenser, providing extra safety in preparation, use and storage.



Description	Cat. No.	Unit
SafePlus™ MicronRoll MINI	76437-386	50/PK, 10 PKS/CS
SafePlus™ MicronRoll MINI	76437-388	50/PK, 10 PKS/CS
SafePlus™ Dispenser MINI	76437-390	4/CS
SafePlus™ MicronRoll MAXI	76437-392	120/PK, 6 PKS/CS
SafePlus™ MicronRoll MAXI	76437-394	120/PK, 6 PKS/CS
SafePlus™ Dispenser MAXI Recycled	76437-396	4/CS

Convenient & precise dispensing



MASTERFLEX® I/P® STAINLESS STEEL IP66 DIGITAL DISPENSING PUMP SYSTEM

- Graphical LCD shows four operating modes continuous run, timed dispense, copy dispense, volume dispense
- View pump performance continually
- Antidrip function ensures dispensing accuracy
- Open head sensor

These precision drives offer analog remote control options and simple programming—ideal for automated process applications. Drives feature a programmable dispense interval that lets you set the delay between dispense cycles for convenient, automated dispensing. Programmed calibration ensures dispense and display accuracy—drive stores one calibration value per tubing size.

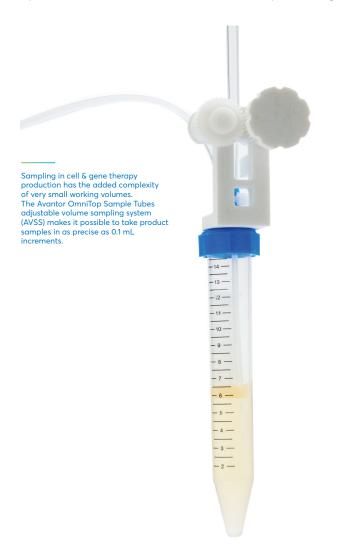
Program the drive via the simple membrane keypad; keypad lock/unlock feature protects settings. Motor is reversible so you can purge tubing before or after pumping and pump fluid in either direction.



Flow Rate	Includes	No. of Channels	RPM	Tubing Size	No. of Channels/Rollers	Speed Turndown Ratio	Enclosure	Cat. No.
	I/P® Easy Load							
1 to 13,000 mL/min.	Pump Head	2, Max.	650, Max.	Masterflex I/P® 26, 73, 82	3 Rollers	6500:1	IP66	76047-508

Addressing the need for precise sampling in cell & gene therapy applications

By Tim Korwan, Director - New Product Development, Single-Use



Rapid advances in cell and gene therapy development have resulted in recent regulatory approvals, bringing these transformative medicines to market. However, commercializing these products has introduced a new set of challenges unique to the global healthcare industry.





Volume loss in the connection lines is eliminated with the use of a dual filtered syringe system. This purges the lines of holdup volume, making the Avantor OmniTop Sample Tubes AVSS ideal for critical and high value product sampling.

Obtaining representative fluid samples from biologic, vaccine and now cell and gene therapy manufacturing processes is critical for making accurate decisions about product integrity and conformance. To achieve this, the sample must be taken so that it is a complete representation of the product being manufactured. Sampling in cell and gene therapy production has the added complexity of very small working volumes, and because sampling is a net negative process, sampling volumes can have a dramatic effect to the overall yield of the final product.

Unlike the production of monoclonal antibodies (mAbs), there isn't a final filtration step in the cell and gene therapy manufacturing process since the production process is essentially the final product. Reducing risk through the use of a closed system, single use sampling solutions is one critical factor that will improve manufacturing success.

A new patent pending device from Avantor, the OmniTop Sample Tubes™ adjustable volume sampling system (AVSS) is designed to precisely collect small exact volume samples from a sterile process. It eliminates volume loss in the connection

lines by using a dual filtered syringe system to purge the lines of this holdup volume, making it ideal for critical and high value product sampling.

The OmniTop Sample Tubes™ AVSS features a specially designed dip tube that incorporates an external adjustment tool that allows users to move the dip tube to the corresponding volume they want to collect from 0.1-15mL in a completely closed system. This flexibility of dialing in the exact volume to sample and removing associated volume loss removes operator variability and standardizes sampling for all applications.

Learn how the Avantor OmniTop AVSS can help you increase final product yield and ensure sampling accuracy. Contact your Avantor account representative today or visit vwr.com/omnitopavss.

Easily configured for all types of sampling





Convenient device can be used to obtain fluid samples. Each tube comes with a pre-attached 0.2µm vent filter and 18" of tubing (C-Flex®, TYGON® or PharMed®).

- Unique cap design allows for complete customization
- Ability to use different ID and OD tubing diameters
- Wide selection of tubing materials
- Cost effective
- Reduced assembly and installation time
- Eliminate cleaning validation

SINGLE-USE SAMPLE TUBES

- Flexible manufacturing
- Design permits quick delivery on small lots
- Closure system can be used with various glass bottles
- Available individually packaged or configured in manifold
- Available with or without internal dip tubes; facilitates removal of fluid inside

OmniTop Sample Tubes	Volume, mL	Tube Material	Cat. No.
OmniTop Assembly, C-Flex®, Gamma	15	Polypropylene	75840-758
OmniTop Assembly, C-Flex®, Dip Tube, Gamma	15	Polypropylene	75840-754
OmniTop Assembly, C-Flex®, Gamma	15	Polystyrene	75840-766
OmniTop Assembly, C-Flex®, Gamma	50	Polypropylene	75840-774
OmniTop Assembly, C-Flex®, Dip Tube, Gamma	50	Polypropylene	75840-770
OmniTop Assembly, C-Flex®, Dip Tube, Seal and Trim, Gamma	50	Polypropylene	75840-772



Ideal for use in controlled environments

solutions for production

VWR® CRITICAL SWAB® SWABS

Precisely formulated in three unique materials:

Foam, cotton, and foam-over-cotton

Foam Head Swabs

- Withstand most widely used solvents
- Nonabrasive

Cotton Head Swabs

- Highly absorbent, USP-grade cotton
- Lintless formulations reduce contamination
- Economical

Swabs	Head, W x L, mm (in.)	Handle, W x L, mm (in.)	Swab Length, mm (in.)	Cat. No.
100ppi Open-Cell Polyurethane	Foam Head and 100% Virgin Polypropy	lene Handle		
Large, Rectangular	13.5 x 25.4 (0.531 x 0.999)	5 x 130 (0.195 x 5.100)	152.3 (5.996)	89031-286
Paddle-Shaped, Flexible	4.8 x 15.1 (0.188 x 0.594)	3.1 x 152 (0.120 X 5.995)	167.4 (6.591)	89031-276
100ppi Polyurethane Foam Hea	d and Wood Handle			
Medium	4.8 x 17.4 (0.188 x 0.687)	2.5 x 152 (0.100 x 5.974)	166.7 (6.563)	89031-274
Reticulated Foam Head and Ext	ra-Rigid, Glass-Filled Polypropylene Har	ıdle		
Cone-Shaped	3.9 x 17.5 (0.154 x 0.688)	2.5 x 83 (0.100 x 3.260)	100.3 (3.949)	89031-282
Extended Length	3.6 x 25.4 (0.140 x 1.000)	2.5 x 82.8 (0.100 x 3.260)	108.2 (4.260)	89031-284
Two Lintless Cotton Tips and Pa	per Handle			
Double	4.4 x 15 (0.173 x 0.591)	2.5 x 78 (0.100 x 3.071)	93.0 (3.661)	89031-290
Double, Slim	3.2 x 14 (0.126 x 0.551)	1.5 x 75.5 (0.059 x 2.972)	89.5 (3.524)	89031-292
Cotton Tip and Wood Handle				
Small	4.8 x 15.9 (0.188 x 0.624)	2.5 x 152 (0.100 x 6.000)	162.9 (6.413)	89031-270
Large	5.9 x 17.4 (0.234 x 0.687)	2.5 x 152 (0.100 x 5.995)	164.5 (6.476)	89031-272

Creates an impermeable barrier

solutions for production

VWR® STERILE BUCKET LINERS

These LDPE/nylon blend bucket liners/bags create an impermeable barrier between strong disinfectant solutions and buckets.

- Sterile with Sterility Level of Assurance (SAL 10⁻⁶)
- LDPE/nylon blend fabrication

Description	Cat. No.
Fits 1 gal. Buckets, Sterile	89495-436
Fits 6 gal. Buckets, Sterile	89495-438
Bucket Liners, 31×19", Bulk Pack	76304-356







Micronova's modular cleaning system

M-ZONE® FLATMOPS

Lightweight, easy-to-use mopping system. Whether wet or dry mopping, the M-Zone FlatMop has a size and fabric finish to match your application.

Description	Cat. No.
FlatMop, PolySorb 9"	89498-074
FlatMop, Polysorb 14"	89498-078
FlatMop, Polysorb 18"	75848-692
FlatMop, MegaTex 14"	76214-286



MEGAWRINGER

Ergonomic and efficient downward press unit requiring minimum operator effort. Designed for Micronova's M-Zone FlatMops.

Size, in.	Weight	Cat. No.
22L x 7D x 9H	5 Lbs.	76299-864



BUCKET BINDERS

Unique, space-saving system that does away with the need for bulky carts and frames. Secures up to 3 buckets for controlled cleaning.

Description	Cat. No.
Bucket Binder Double Bucket Kit	
Blue and Yellow Buckets/One set of Bucket Binders	76289-876
Triple Bucket Kit	
Blue, Red, and Yellow Buckets/Two sets of Bucket Binders	76289-878





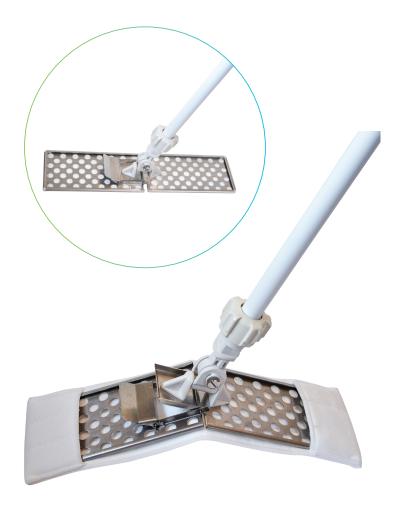
Simple, effective cleaning system

MICRONOVA SLIDEMOP™

The SlideMop™ is a simple, effective mopping system that can be used in the traditional "dip and wring" method or as a "charging" method where liquid disposal and/or space saving is an issue. The sturdy, collapsible plate(s) – available in both plastic and electropolished stainless steel – slides into the polyester mop head and allows an easy swivel to ensure correct lift and pull or figure-8 cleaning techniques.

- With a lightweight, economical design, the SlideMop can be used throughout the facility from unclassified work areas to the sterile core
- Quilted design holds and distributes cleaning agents effectively
- Choice of stainless steel or plastic frame
- Robust construction, can be laundered and autoclaved multiple times

Description	Cat. No.
Polyester Mop Head	76404-178
Polyester Mop Head Irradiated	76404-180
Plastic Mop Frame – 16"	76404-182
Plastic Extendable Handle	89428-634
Stainless Steel Frame 16"	76423-456



Cleanroom essentials

MICRONOVA LOW-SODIUM INK CLEANROOM PENS AND INDUSTRY STANDARD SHARPIE® FINE POINT IRRADIATED MARKERS



- Cleanroom pens feature a unique polypropylene barrel to limit particle generation
- Sharpie[®] fine point markers feature nontoxic, permanent, quick drying, alcohol-based ink that is fade- and water-resistant
- Markers write on cold or wet surfaces, plastic bags or disposable labware
- Marks will not smear on reusable glass, metal, or porcelain labware but can be scrubbed off
- Sterile items are gamma irradiated and suitable for Aseptic ISO 5 and other clean production areas

IVICTOROVA MANUFACTURING UNC	N	MANUFACTURING INC	a
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Ink Color	Sterile	Unit	Cat. No.
Ballpoint Pen			
Black	Sterile	Case of 100	68400-568
Black	Nonsterile	Case of 100	68400-688
Blue	Sterile	Case of 100	68400-570
Red	Sterile	Case of 100	68400-572
Red	Nonsterile	Case of 100	68400-692
Click Ballpoint Pen			
Black	Nonsterile	Pack of 10	76214-024
Black	Sterile	Case of 100	76214-026
Blue	Sterile	Case of 100	76214-296
Blue	Nonsterile	Pack of 10	76214-028
Marker, Fine Point			
Black	Sterile	Case of 12	89032-008
Marker, Retractable			
Black	Sterile	Pack of 12, Case of 144	89107-766
Black	Sterile	Case of 12	89236-620
Marker, Fine Point Irro	adiated, Double Bag		
Black	Sterile	Pack of 12	76214-299
Marker, Fine Point Irro	adiated		
Blue	Nonsterile	Pack of 12, Case of 144	76203-464

Designed for critical applications





VELTEK ASSOCIATES PROCESS2CLEAN® LIQUID CLEANING AGENTS

These high-performance cleaning agents are specifically designed for critical clean-in-place applications and are engineered to effectively remove a multitude of product residues.

- Available in both sterile (filtered at 0.2µm and aseptically filtered) and nonsterile packaging
- Process2Clean® 1 liquid alkaline agent is formulated with potassium hydroxide, surfactants, and other essential cleaning ingredients
- Process2Clean® 2 liquid agent is an acidic based detergent
- Process2Clean® 3 hyodroxyacetic acid detergent is formulated with phosphoric acid, surfactants, and other essential cleaning ingredients
- Process2Clean® 4 and Process2Clean® 6 liquid agents are effective in cleaning ointments, creams, oils, waxes, greases, and petrolatum-based products
- Process2Clean® 5 liquid agent is designed specifically for use in recirculation and high-pressure cleaning applications

Size, L (gal.)	рН	Sterility	Cat. No.
Process2Clean® 1 L	iquid Cleaner		
3.8 (1)	12.5	Sterile	89040-322
19 (5)	12.5	Nonsterile	89040-328
208 (55)	12.5	Sterile	89040-326
Process2Clean® 2 L	iquid Cleaner		
3.8 (1)	2.0	Sterile	89040-334
19 (5)	2.0	Nonsterile	89040-340
208 (55)	2.0	Sterile	89040-338
Process2Clean® 3 L	iquid Cleaner		
3.8 (1)	2.8	Sterile	89040-346
19 (5)	2.8	Nonsterile	89040-352
208 (55)	2.8	Sterile	89040-350
Process2Clean® 4 L	iquid Cleaner		
3.8 (1)	9	Sterile	89040-358
19 (5)	9	Nonsterile	89040-364
208 (55)	9	Sterile	89040-362
Process2Clean® 5 L	iquid Cleaner		
3.8 (1)	8,55	Sterile	89040-370
19 (5)	8,55	Nonsterile	89040-376
208 (55)	8,55	Sterile	89040-374
Process2Clean® 6 L	iquid Cleaner		
3.8 (1)	12	Sterile	89040-382
19 (5)	12	Nonsterile	89040-388
208 (55)	12	Sterile	89040-386

Please visit **vwr.com** to view a full listing of sizes and varieties.

These products are not available in Canada. Please contact your VWR Sales representative to learn about similar options in your region.



PBPBA

PERFEX TRUCLEAN MOPPING SYSTEMS

TruCLEAN Mopping Systems effectively capture and isolate contaminants, ensuring the delivery of pure cleaning agents. High-quality, stainless steel components and temperature resistant polypropylene buckets suitable for large and small area cleanrooms of any grade. Designed to be easy to use and maintain while delivering the cleaning performance you expect, time and time again.

- Prevent dangerous cross-contamination with multi-bucket mopping systems
- Compatible with gamma, ethylene oxide, and autoclave sterilization

Color*	Cat. No.
TruCLEAN Triple Bucket Mopping System	
Red	22940-012
White	22940-015
Blue	22940-014
TruCLEAN 2	
Red	89095-990
Blue	89095-992

^{*}Also available in green and yellow.



PERFEX TRUCLEAN SPONGE AND FIBER MOPS

Designed for use in cleanroom environments with ultra-low particulate level requirements. TruCLEAN Sponge Mop is ideal for applying cleaning and disinfecting agents to floors, walls, and ceilings. TruCLEAN Sponge and Fiber Mops combine performance with high-absorption for superior cleaning capabilities.

- Excellent surface coherence, abrasion- and tear-resistant
- Compatible with gamma, ethylene oxide, and autoclave sterilization
- Chemical and microbial resistance

Description	Cat. No.
TruCLEAN clean room mop	89096-038
TruCLEAN microfiber mop	89096-040
TruCLEAN anti-microbial mop	89096-036
TruCLEAN sponge mop	22940-023
TruCLEAN mop cover	22940-191



FOCUS: PRODUCTION VOLUME 2 ISSUE 1

AVANTOR MARKETING RESOURCE CENTER

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If addressee is no longer with the organization, please deliver to laboratory products buyer. Thank you.



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Setting science in motion to create a better world

From breakthrough discovery to agile delivery, we offer an extensive portfolio of mission-critical products, services, and solutions. We are a trusted global partner to customers in the life sciences, advanced technologies, and applied materials industries.



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