



## Life Sciences

CONTAINER + CONTAINMENT SOLUTIONS

**SPECIFICALLY ENGINEERED FOR KEY  
BIOPHARMACEUTICAL APPLICATIONS**



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# Purillex® PETG Square Media Bottles

Tailored for use in life sciences and meeting USP Class VI standards, Savillex introduces Purillex® PETG Square Media Bottles—a premier solution for secure liquid media packaging and ingredient storage. These bottles are optimal for various critical applications in media manufacturing, research, drug development, and biopharmaceutical production.

## Design Features

Crafted from heavy-duty PETG, these bottles feature a high-density polyethylene (HDPE) lugged closure engineered to deliver a leakproof seal. Their square, practical design, and optimal clarity facilitate easy labeling, storage, process handling, and pouring. These bottles exhibit excellent thread quality through precision injection molding, eliminating the need for secondary machining and mitigating the risk of particulate contamination. They boast a high-integrity seal without requiring secondary seals or inserts, ensuring suitability for manual and automated fill lines. Durable and shatter-resistant, these bottles seamlessly replace existing PETG media bottles. Additionally, Purillex PETG Bottles are compatible with industry-standard, off-the-shelf single-use media bottle assemblies.

## Resin Characteristics

The resin utilized in Purillex® PETG Square Media Bottles is RNase/DNase free, non-pyrogenic, non-cytotoxic, and recyclable. It results in an optically clear final product compatible with various chemicals and boasts a low leachable and extractable profile. PETG affords exceptional chemical and temperature resistance, which is particularly advantageous in freeze/thaw cycle applications. Moreover, it exhibits remarkable gas barrier properties, including reduced permeability to CO<sub>2</sub> and O<sub>2</sub>.

## Available Sizes

Purillex PETG bottles are offered in sizes ranging from 125 mL to 1000 mL, each featuring molded graduations for precise measurement.

## Made in the USA

Both Purillex PETG Square Media Bottles and closures are proudly manufactured in the USA, ensuring stringent quality control and adherence to industry standards.

## Sterile Options

All sizes of Purillex PETG Square Media Bottles are available in sterile configurations, validated to achieve a SAL of 10<sup>-6</sup>, meeting requirements for aseptic applications.

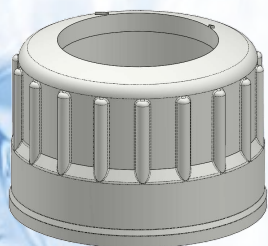
## Lab Pack

The Purillex PETG Square Media Bottle Lab Pack combines convenience, security, and material quality to meet the unique demands of laboratory and research settings. They are packaged with 50% fewer bottles than standard cases - making them a great option for smaller-scale laboratories requiring reduced inventory for limited usage.

They are also ideal for R&D and pilot production batches where sterility and security are paramount. Bottles feature a tamper-evident band that provides visual assurance of product integrity and safety, meeting quality control and regulatory standards.

## Packaging

Purillex PETG Square Media Bottles are meticulously packaged for convenience and compliance with industry norms. They are arranged on individually shrink-wrapped trays, stacked and double-bagged, and placed in recyclable corrugated boxes. Labels are affixed to each tray, outer bag, and box, indicating part number, lot number, and expiration date. A Certificate of Conformance accompanies sterile and non-sterile bottles, while sterile bottles include a Certificate of Processing for added assurance.



38-430 HDPE Retaining Ring

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## Sterilization Method and Working Temperature Range

Material	Sterilization Method	Material	Working Temperature Range
PETG	Gamma Irradiation	PETG	-121°F to 158°F (-85°C to 70°C)

## PETG Bottle Ordering Information

Part #	Description	Closure Size	Quantity
160-04-0125-S	125 mL Purillex® PETG Square Media Bottle, Sterile	38-430	24/Tray/4/Trays/Case/96
160-04-0125	125 mL Purillex® PETG Square Media Bottle, Non-Sterile	38-430	24/Tray/4/Trays/Case/96
160-04-0250-S	250 mL Purillex® PETG Square Media Bottle, Sterile	38-430	30/Tray/2/Trays/Case/60
160-04-0250	250 mL Purillex® PETG Square Media Bottle, Non-Sterile	38-430	30/Tray/2/Trays/Case/60
160-04-0500-S	500 mL Purillex® PETG Square Media Bottle, Sterile	38-430	20/Tray/2/Trays/Case/40
160-04-0500	500 mL Purillex® PETG Square Media Bottle, Non-Sterile	38-430	20/Tray/2/Trays/Case/40
160-04-1000-S	1000 mL Purillex® PETG Square Media Bottle, Sterile	38-430	12/Tray/2/Trays/Case/24
160-04-1000	1000 mL Purillex® PETG Square Media Bottle, Non-Sterile	38-430	12/Tray/2/Trays/Case/24
160-04-0125-LP	125 mL Purillex® PETG Square Media Bottle, Heat-Shrink Band, Sterile	38-430	24/Tray/2/Trays/Case/48
160-04-0250-LP	250 mL Purillex® PETG Square Media Bottle, Heat-Shrink Band, Sterile	38-430	30/Tray/1/Trays/Case/30
160-04-0500-LP	500 mL Purillex® PETG Square Media Bottle, Heat-Shrink Band, Sterile	38-430	20/Tray/1/Trays/Case/20
160-04-1000-LP	1000 mL Purillex® PETG Square Media Bottle, Heat-Shrink Band, Sterile	38-430	12/Tray/1/Trays/Case/12
670-038-05-PK	38-430 HDPE Retaining Ring - Pack of 10	38-430	Pack of 10
670-038-05-CS	38-430 HDPE Retaining Ring - Case of 100	38-430	Case of 100



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## Purillex® Bioprocess PETG Bottle Assemblies

Purillex® Bioprocess PETG Bottle Assemblies redefine flexibility and performance in biopharmaceutical process development and manufacturing. Designed with precision for critical fluid handling, storage, and transfer applications, they provide superior durability and low extractables while maintaining compliance with the strictest industry standards.

### Applications

- Pilot production batches
- Process development fluid transfer requirements
- Buffer, culture media, and reagent preparation

### Available Options

- **Quality You Can Count On**
  - A variety of sizes, complete with tubing, hosebarbs, a dip tube, vent filter, and connector
  - Industry recognized components allowing for easy and efficient usage
- **Configurable Options, Customized for You**
  - In-stock components sourced from trusted manufacturers, providing a variety of choices to fit your needs
  - Significantly reduce lead time, cleaning, and validation requirements
- **From Vision to Reality: Custom Engineered Solutions**
  - Unmatched lead time from design to delivered assembly
  - Reduced downtime and lower facility setup expenses
  - Complete flexibility and integration into current biopharmaceutical process development footprints

### Design Features

Crafted from heavy-duty PETG, these bottles feature a high-density polyethylene (HDPE) lugged closure engineered to deliver a leakproof seal. Their square, practical design, and optimal clarity facilitate easy labeling, storage, process handling, and pouring. These bottles exhibit excellent thread quality through precision injection molding, eliminating the need for secondary machining and mitigating the risk of particulate contamination. They boast a high-integrity seal without requiring secondary seals or inserts, ensuring suitability for manual and automated fill lines. Durable and shatter-resistant, these bottles seamlessly replace existing PETG media bottles.

A variety of options are available for tubing, vent filters, and connectors all of which are designed and manufactured to ensure successful fluid handling and storage. Each assembly is manufactured in an ISO Class 7 Cleanroom using USP Class VI components and are offered e-Beam irradiated for convenience and ease of use. Configurable options are available to meet unique customer requirements as well.

**Purillex Bioprocess PETG Bottle Assemblies are available in 125 mL to 1000 mL sizes. Please contact us at [info@savillex.com](mailto:info@savillex.com) for a quotation and to discuss your design needs.**

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## Purillex® Bioprocess Bag Assemblies

Purillex® Bioprocess Bag Assemblies redefine flexibility and performance in biopharmaceutical process development and manufacturing. Designed with precision for critical fluid handling, storage, and transfer, they provide superior durability and low extractables while complying with the strictest industry standards.

Featuring customizable configurations in size, film type, tubing, and connectors, Purillex Bioprocess Bag Assemblies deliver unmatched scalability and versatility. Engineered for robustness, our assemblies are optimized for reliable performance in demanding applications, offering a high-integrity alternative to rigid systems without compromising clarity, low-temperature stability, or biocompatibility.

### Applications

- Buffer preparation and storage
- Bulk intermediate product storage
- Cell culture media manufacturing
- Cell culture harvesting
- Fraction collection and storage

### Available Options

- **Quality You Can Count On**
  - A variety of sizes, complete with tubing, hosebarbs, a dip tube, vent filter, and connector
  - Industry recognized and accepted components allowing for easy and efficient usage
- **Configurable Options, Customized for You**
  - In-stock components sourced from trusted manufacturers, providing a variety of choices to fit your needs
  - Significantly reduce lead time, cleaning, and validation requirements
- **From Vision to Reality: Custom Engineered Solutions**
  - Unmatched lead time from design to delivered assembly
  - Reduced downtime and lower facility setup expenses
  - Complete flexibility and integration into current manufacturing footprint

### OpTCIR Film for Purillex Bioprocess Bag Assemblies

OpTCIR Film is a multilayer PE/EVOH based film for single use systems in biotechnology applications. It is designed for use in media storage bags, bioreactors, mixing systems and sampling, product storage containers, and other single use applications. These disposable pre-sterilized systems are increasingly considered a safer and less costly alternative to stainless steel equipment. This trend in the biotechnology industry is supported by exciting new developments in the plastic components of such flexible disposable systems. These components must fulfill the severe and strict product property requirements in critical biotechnology and pharmaceutical applications.

**Purillex Bioprocess Bag Assemblies are available in 2D and 3D versions, in sizes ranging from 1 L to 200 L. Please contact us at [info@savillex.com](mailto:info@savillex.com) for a quotation and to discuss your design needs.**

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# Purillex® Fluoropolymer Bottles Engineered for Life Sciences

Savillex introduces the Purillex® range of fluoropolymer bottles, setting new standards in cleanliness, safety, and performance. PFA and FEP bottles are crafted using a specialized stretch blow molding process adapted for fluoropolymer applications.

## Innovative Design Features

The proprietary manufacturing process offers numerous advantages, including impeccably clean and smooth fluid contact surfaces, enhanced pourability, superior seal integrity, and more. Purillex® Bottles are indispensable in a wide array of critical applications, whether sterilized or non-sterilized.



PFA/FEP Resin Attributes:	Life Sciences Applications:
Wide temperature range	Autologous Cell Therapy
Low leachable and extractable profile	Bulk Drug Storage and Transport
Extreme chemical resistance	Formulation Stability Testing and Storage
Smooth interior surface	
Autoclavable	

## Versatile Sizing Options

Purillex Bottles are offered in sizes ranging from 50 mL to 2000 mL, providing flexibility to suit diverse laboratory needs. Each bottle features a wide-mouthed 45 mm diameter neck compatible with GL45 threaded closures (33 mm diameter neck and closure on 50 mL bottles), and a closure is included for added convenience.

Bottle Size	PFA	FEP
50 mL	✓	✓
100 mL	✓	✓
250 mL	✓	✓
500 mL	✓	✓
1000 mL	✓	✓
2000 mL	✓	✓

## Sterilization and Certification

All Savillex Purillex® Bottles are available sterilized and are individually double-bagged to maintain sterility before use. Sterilization processes are rigorously validated to achieve a SAL (sterility assurance level) of 10<sup>-6</sup>, meeting industry standards for aseptic applications. PFA bottles have undergone compatibility testing for dry heat sterilization processes up to 250°C for two hours.

Material	Sterilization Method	Material	Working Temperature Range
PFA	Autoclave	PFA	-328°F to 500°F (-200°C to 260°C)
FEP	Autoclave	FEP	-328°F to 392°F (-200°C to 200°C)

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## Comprehensive Testing and Certification

Purillex Bottles have undergone comprehensive internal testing, including assessments for drop resistance, leakproofness, vacuum resistance, and pressure bursts. Additionally, they comply with Class VI standards and have undergone complete USP extractable and biocompatibility testing. Sterilized bottles come with manufacturing lot certification for added assurance.

Test	Non-Sterilized	Sterilized
USP Class VI	✓	✓
USP <87> Cytotoxicity	✓	✓
USP <661.2>	✓	✓
BSE/TSE Free	✓	✓
SavilleX Internal Leakproof Test	✓	✓
Bioburden		✓
USP <788> Particle		✓

## Bottle Ordering Information

Bottle Size	Closure	PFA Part # (non-sterilized)	PFA Part # (sterilized)	FEP Part # (non-sterilized)	FEP Part # (sterilized)
50 mL	33 mm	170-01-0050	170-01-0050-A	170-02-0050	170-02-0050-A
100 mL	GL45	170-01-0100	170-01-0100-A	170-02-0100	170-02-0100-A
250 mL	GL45	170-01-0250	170-01-0250-A	170-02-0250	170-02-0250-A
500 mL	GL45	170-01-0500	170-01-0500-A	170-02-0500	170-02-0500-A
1000 mL	GL45	170-01-1000	170-01-1000-A	170-02-1000	170-02-1000-A
2000 mL	GL45	170-01-2000	170-01-2000-A	170-02-2000	170-02-2000-A

## Purillex ETFE Bottles for Radiopharmaceutical Manufacturing

With the emergence of radioactive compounds being used for therapeutics and diagnostics, it is critical to use containers that can guarantee the integrity and safety of your products. To aid in this rapidly emerging field, SavilleX offers its line of Purillex Bottles manufactured with ethylene tetrafluoroethylene (ETFE) resin to the highest standards of quality and performance. Designed to meet the stringent demands of this specialized industry, they offer exceptional reliability and durability. All Purillex Bottles come with a Certificate of Conformance that includes lot release testing for absolute traceability.

Part #	Bottle Size	Closure Size	Certificate of Conformance
170-03-1000	1000 mL	GL45	Yes

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# Purillex™ Fluoropolymer Vials Kit Racked and Bagged Engineered for Life Sciences



Purillex™ PFA Vials represent the pinnacle of pharmaceutical storage solutions. Crafted from premium perfluoroalkoxy (PFA) polymer, these vials offer unmatched suitability for stability testing, final drug product sample storage, vaccine seed stock preparation, viral vector storage, and LNP formulation storage. Combining closure integrity, inertness, purity, and durability, Purillex™ Vials safeguard stored samples against contamination and ensure pharmaceutical substances remain unaltered.

## Design Features

Available in convenient 7 mL and 15 mL sizes, Purillex PFA Vials feature a rounded interior, facilitating easy content removal, seamless handling, and retrieval of valuable pharmaceutical samples. Utilizing precision injection molding, these vials boast impeccable thread quality, minimizing the risk of particulate contamination. The result is a robust seal that preserves the purity and stability of pharmaceutical contents, reaffirming the Savillex commitment to product integrity and providing a dependable solution for pharmaceutical storage needs.

## Packaging Options

Purillex PFA Vials can be purchased individually, in racks of ten, or as an eco-friendly bag refill. The racked version ensures effortless access to individual vials and streamlines inventory management for enhanced efficiency. Alpha-numeric labeling simplifies identification, enabling swift retrieval and minimizing errors in bustling pharmaceutical settings.

## Product Testing and Conformance

Every lot of Purillex PFA Vials is manufactured using the same resin manufacturer and grade as Purillex® PFA Bottles, ensuring consistency and reliability. For regulatory compliance, each order includes full manufacturing lot certification, supporting seamless regulatory filing processes.

Test	Result
Savillex Internal Product Testing	Passed
FDA 21 CFR 177.1550	Complies
USP <85> Bacterial Endotoxins Test	Passed
USP <87> Cytotoxicity Test	Passed
USP <88> Class VI Biological Reactivity	Passed
USP <661> Physicochemical Tests for Plastics	Passed
USP <788> Particulate Matter in Injections	Passed
BSE/TSE Free	Yes

## Sterilization Method and Working Temperature Range

Material	Sterilization Method	Material	Working Temperature Range
PFA	Autoclave	PFA	-328°F to 500°F (-200°C to 260°C)

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## Vial Ordering Information

Part Number	Description	Packaging
271-01-007-20	Purillex™ PFA Vial, 7 mL with Closure	1/Each
271-01-015-20	Purillex™ PFA Vial, 15 mL with Closure	1/Each
273-01-007-20-100	Purillex™ PFA Vial, 7 mL with Closure, Racked	10 Vials/Rack, 10 Racks/Case, 100 Vials/Case
273-01-015-20-100	Purillex™ PFA Vial, 15 mL with Closure, Racked	10 Vials/Rack, 10 Racks/Case, 100 Vials/Case
271-01-007-20-50	Purillex™ PFA Vial, 7 mL with Closure, Rack Refill	50 Vials/Case
271-01-015-20-50	Purillex™ PFA Vial, 15 mL with Closure, Rack Refill	50 Vials/Case



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# Purillex™ Fluoropolymer Vials Engineered for Life Sciences

Savillex presents a comprehensive range of Purillex™ Vials tailored to support critical applications, including material validation and stability testing programs. These vials are particularly well-suited for cryogenic applications such as cell banking and long-term sample archiving, capable of enduring temperatures as low as liquid nitrogen conditions (-196°C) while preserving seal integrity.



## Certified Quality

Purillex Vials conform to USP Class VI standards and undergo rigorous USP testing, accompanied by manufacturing lot certification, to ensure uncompromising quality.

## Design Features

Available in 3 mL, 7 mL, and 15 mL sizes, Purillex Vials accommodate a broad spectrum of stability test protocols, minimizing the consumption of precious final products for stability and materials testing and validation. These vials exhibit exceptional thread quality through precision injection molding, eliminating the need for secondary machining of the vial lip and significantly reducing the risk of particulate contamination. A robust seal is guaranteed without the necessity for secondary seals or inserts. Additionally, all vials feature round bottoms for effortless content removal.

## Sterilization Options

All Savillex Purillex Vials are available in sterilized configurations for added convenience and compliance with industry standards. Individually double-bagged to maintain sterility, these vials undergo validated sterilization processes, achieving a SAL (Sterility Assurance Level) of 10<sup>-6</sup>, meeting the stringent requirements for Life Sciences applications.

Material	Sterilization Method	Material	Working Temperature Range
PFA	Autoclave	PFA	-328°F to 500°F (-200°C to 260°C)
FEP	Autoclave	FEP	-328°F to 392°F (-200°C to 200°C)

## Vial Ordering Information

Vial Size	Closure Size	Material	Part #	Sterilized
3 mL	23 mm	PFA	271-01-003-20	No
3 mL	23 mm	PFA	271-01-003-20-A	Yes
3 mL	23 mm	FEP	271-02-003-20-A	Yes
7 mL	24 mm	PFA	271-01-007-20	No
7 mL	24 mm	PFA	271-01-007-20-A	Yes
15 mL	33 mm	PFA	271-01-015-20	No
15 mL	33 mm	PFA	271-01-015-20-A	Yes

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# Introducing Purillex™ Fluoropolymer Jars Engineered for Life Sciences

Savillex Purillex® presents molded PFA jars meticulously crafted to meet the exacting demands of life sciences applications. These jars guarantee the secure collection, transport, and storage of samples, prioritizing container integrity above all else.

## Certified Quality

Purillex™ Jars meet USP Class VI standards and undergo comprehensive USP testing, accompanied by manufacturing lot certification for utmost quality assurance.

## Innovative Design Features

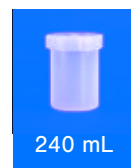
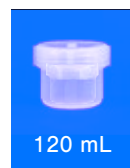
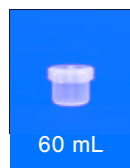
Crafted from virgin resin through precision injection molding, Purillex Jars uphold the same resin grade as Purillex® Bottles and other Savillex containers utilized across various scientific disciplines. Their seamless construction, rounded interior, smooth inner surface and wide-mouth design facilitate effortless transfer and complete content removal. Purillex Jars excel in applications demanding unfettered access to contents, chemical stability, and impeccable cleanliness.

## Precision Engineering

All Purillex Jars include a robust leakproof closure. The injection molding process ensures impeccable thread quality, eliminating the need for secondary machining of the jar lip and significantly reducing the risk of particulate contamination. A robust seal is guaranteed without the necessity for additional seals or inserts. Moreover, all jars feature rounded bottoms for effortless content extraction. Withstanding temperatures as low as liquid nitrogen (-196°C), Purillex Jars maintain seal integrity even under extreme conditions.

## Versatile Sizing Options

Choose from Purillex™ PFA Jars available in 60 mL, 120 mL, and 240 mL capacities to suit diverse laboratory needs.



## Available Sterilized

All Savillex Purillex Jars are available sterilized with up to a two-year shelf life. Jars are individually double-bagged to ensure sterility is maintained before use. All sterilization processes are validated to provide a SAL (sterility assurance level) of 10<sup>-6</sup>, the industry standard for use in aseptic applications.

## Sterilization Method and Working Temperature Range

Material	Sterilization Method	Material	Working Temperature Range
PFA	Autoclave	PFA	-328°F to 500°F (-200°C to 260°C)

## Jar Ordering Information

Jar Size	Closure Size	PFA Part # (non-sterilized)	PFA Part # (sterilized)
60 mL	53 mm	171-01-0060-01	171-01-0060-01-A
120 mL	70 mm	171-01-0120-01	171-01-0120-01-A
240 mL	70 mm	171-01-0240-01	171-01-0240-01-A

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## HarvestMax<sup>®</sup> Filter Reservoir System

The HarvestMax<sup>®</sup> is a filter reservoir system designed for one-step cell harvest clarification. It functions as a single use, drop-in unit for the prefiltration, clarification, and final filtration of difficult-to-filter cell culture harvests, conditioned media, and other critical materials.

Representing the first true 250mL to 1L one-step processing, the HarvestMax is designed to significantly reduce the risk of premature plugging of vacuum membrane filler units. More importantly, it reduces harvest clarification time and eliminates the need for centrifugation - which opens up laboratory floor space and helps simplify your workflow.

The HarvestMax family of special filters are available as complete vacuum filler systems, in stock and ready to use. They can also be customized to your particular application.

### Features

- More prefiltration filler area allows for faster flow and higher throughput through the membrane filler
- Universal design which can be used with most 250 mL, 500 mL, and 1 L vacuum filler units commonly found in the laboratory
- Utilizes a convenient, quick-connecting vacuum cradle ring stand clamp
- Reduces protein exposure to proteases, minimizing degradation
- PES (polyethersulfone) vacuum unit membranes measure 90 mm in diameter and are available in 0.1  $\mu$ m, 0.2  $\mu$ m, or 0.45  $\mu$ m
- Enables the connection of multiple units for concurrent filtration

### Applications

- Antibody preparations
- CHO-Hybridoma-293 & HEK whole harvests
- Conditioned media or buffers
- Biological preparations
- Reagents
- Prefiltration of sterile media feeds
- Antifoam additions
- Antifoam additions
- Transfected cells
- Crop protection
- Bacterial harvests
- Food digestion preparations
- Protein solutions
- Viral, vaccine, tissue preps

### HarvestMax Ordering Information

Part #	Description
88052	250 mL - 0.2 $\mu$ m PES
88055	500 mL - 0.2 $\mu$ m PES
88051	1000 mL - 0.2 $\mu$ m PES
88042	250 mL - 0.45 $\mu$ m PES
88045	500 mL - 0.45 $\mu$ m PES
88041	1000 mL - 0.45 $\mu$ m PES
HMV1	4" HMV Pleated Depth Filter
HMV2	2" HMV Pleated Depth Filter
88044L	3 Place Vacuum Manifold, AL/S.S.

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# XpressVent Liquid Handling Systems

XpressVent Liquid Handling Systems are disposable assemblies designed to ease liquid handling for various addition, storage, and processing steps. They are collapsible, less expensive than rigid bottles, and available in a clear or opaque brown light restricting LDPE material with a strong hanging or carry handle.

XpressVent containers offer a new level of convenience to replace glass, rigid PETG, PE, or PP bottles, and SS stopper assemblies commonly found in laboratories, pilot plants, and R&D laboratories. All containers are customized for your purposes with short lead times, far faster than with competing products. XpressVent assemblies are made from well characterized biocompatible low density polyethylene.

## Features

- 100% Recyclable
- Hydrophilic and hydrophobic filter options allows for sterile filling and draining of process fluids
- Pre-made assemblies which significantly reduce risk of repetitive motion injury
- 10:1 lower greenhouse gas emissions in transport, 90% fewer CO2 emissions in film manufacturing process, no chemicals or water for cleaning, low energy, no labor
- Nesting of collapsed vessels saves storage space before and after use
- Tubing-welder compatible

## Applications

- Pre-production
- Cell culture
- Process development and optimization
- Buffers
- Liquid storage
- Acid-base and sterile antifoam additions
- Sterile media feeds
- Sample preparation
- Aseptic sampling
- Cell banking
- Seeding
- Stem cells aseptic transfer
- Transfection and transduction
- Protein expression

## XpressVent Ordering Information

Part #	Container Type	Filter Type
40110	1 L collapsible - no handle	25 mm PTFE
40150	4 L collapsible - with handle	25 mm PTFE
40170	10 L collapsible - no handle	50 mm PTFE
40210	20 L collapsible - no handle	50 mm PTFE



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## SeptaVent® Bioreactor Spin Tubes

SeptaVent® is a 50mL Bioreactor Spin Tube ideal for those working in cell line development, protein expression, and cell culture media optimization where automated systems are used to minimize manual intervention.



SeptaVent is a novel integration of two common technologies into a single device. The SeptaVent Spin Tube allows for easy access and small volume fluid handling while maintaining a sterile and uncompromised environment via septum and filter membrane technology. The resealable septum facilitates the use of various syringes, pipettes, injection needles, pipette tips, and cannulae for easy access to samples without compromising sterility for repeated or intermittent sampling.

The 0.2 µm PTFE filter membrane maintains a sterile environment while allowing for proper airflow and gas exchange. With its hydro-oleophobic properties, the vent filter resists wetting with water or low surface tension fluids.

### Features

- Enables maintenance of a “closed system” during sample manipulation
- Hydro-oleophobic vent filter resists wetting with water or low surface tension fluids
- Suitable for low pressure, gravity feed or pump transfer of media and cells
- Optional filter luer available for SeptaVent 50 Plus, allowing for real time microfluidic cell culture additions
- Available irradiated or non-irradiated
- Available for use on other single-use containers
- Caps available separately

### Applications

SeptaVent is offered with an optional custom rack designed for use with an automated liquid handling platform or robot. Using the rack allows for scaling of production while reducing contamination risks associated with opening and closing the cap to obtain samples. Users are able to perform multiple experiments at the same time, maximizing productivity and achieving greater efficiency.

- Mini production
- Cell culture development
- Culture media optimization
- Seeding
- Stem cell separation
- Hair follicles
- Criminology
- Transfection and transduction
- Whole blood
- Binding experiments for chromatography
- Contamination control of specimens

### SeptaVent Ordering Information

Part #	Description	Pack Size	Case Size
95025	SeptaVent 50 ML Bioreactor	25 units per pack	500 units per case



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## OPTI-Tube Sampling Assembly

The OPTI-Tube Sampling Assembly is a single-use device for cell culture sampling, allowing for simple access to small volume handling. Standard centrifuge tubes commonly used in the laboratory may be enhanced by integrating ports and venting into their caps - which then facilitates use for other applications including filtration, storage, sampling, and additions.

OPTI-Tube style 1-port (15mL) and 2-port (50mL) caps can also be added to any 15mL or 50mL available centrifuge tube containers commonly found in the lab, including those from Corning®, Nalgene, and other manufacturers.

### Features

- Low-cost sampling system
- Eliminates expensive sampling methods
- Samples can be pulled using a syringe vacuum
- Luer or barb connection ports
- Enables maintenance of a “closed system” during sample manipulation
- Ideally suited for low pressure, gravity feed, or pump transfer of media and buffers
- Can be provided irradiated or non-irradiated
- Weldable tubing that eliminates the need to remove caps during sampling
- Dip tube allows for maximum recovery of fluids

### Applications

- Mini production
- Process development
- Sampling
- Additions
- Seeding
- Transfers
- Cell banking
- Stem cell manipulation
- Transfection and transduction
- Whole blood
- Binding experiments for chromatography media
- C.S.I. bioburden and contamination control of specimens

### OPTI-Tube Ordering Information

Part #	Description	Quantity
94015	15 mL OPTI-Tube Sampling Assembly (1-port)	20
94050	50 mL OPTI-Tube Sampling Assembly (2-port)	10



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