



CONTAINERS + CONTAINMENT

PURILLEX®

SPECIFICALLY ENGINEERED FOR
LIFE SCIENCES APPLICATIONS



Phone: 952.935.4100
Email: info@savillex.com

WWW.SAVILLEX.COM | 10321 WEST 70TH ST. | EDEN PRAIRIE, MN 55344-3446 USA



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 CO₂ and O₂.

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 10⁻⁶, meeting the rigorous requirements for aseptic applications.

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.

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Sterilization Method and Working Temperature Range

Material	Sterilization Method	Material	Working Temperature Range
PETG	Gamma Irradiation	PETG	-70°F to 158°F (-56.6°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



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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^{-6} , 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)	EFTE 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	170-03-0100-G
250 mL	GL45	170-01-0250	170-01-0250-A	170-02-0250	170-02-0250-A	170-03-0250-G
500 mL	GL45	170-01-0500	170-01-0500-A	170-02-0500	170-02-0500-A	170-03-0500-G
1000 mL	GL45	170-01-1000	170-01-1000-A	170-02-1000	170-02-1000-A	170-03-1000-G
2000 mL	GL45	170-01-2000	170-01-2000-A	170-02-2000	170-02-2000-A	

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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> Physiochemical 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 10⁻⁶, 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

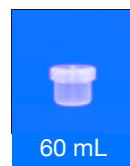
Crafted from virgin resin through precision injection molding, Purillex Jars uphold the same resin grade as Purillex® Bottles and other Savillex containers utilized across various scientific disciplines. Their seamless construction, rounded interior, smooth inner surface and wide-mouth design facilitate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

Precision Engineering

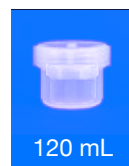
All Purillex Jars include a robust leakproof closure. The injection molding process ensures impeccable thread quality, eliminating the need for secondary machining of the jar lip and significantly reducing the risk of particulate contamination. A robust seal is guaranteed without the necessity for additional 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

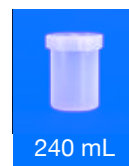
Choose from Purillex™ PFA Jars available in 60 mL, 120 mL, and 240 mL capacities to suit diverse laboratory needs.



60 mL



120 mL



240 mL

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^{-6} , 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)

Change to 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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