Savillex

Precision Labware

Serving The World's Most Demanding Lab and Analytical Applications

For over 40 years, Savillex has molded fluoropolymer products to meet the most demanding lab and analytical applications across the widest range of industries. Used for sample collection, archiving, preparation, and introduction, you can trust Savillex products for applications that require extremes of corrosion resistance, temperature, or freedom from metal contamination.

Markets We Serve:

- Semiconductor
- Aerospace
- Environmental
- Geochemistry
- Industrial

Sample Collection & Storage

Laboratory Bottles

Savillex fluoropolymer bottles are manufactured by a unique stretch blow molding process, with an injection molded thread and lip that provide a superior seal and safe, drip-free pouring. Molded from the highest purity virgin resin in an ISO Class 7 cleanroom, this guarantees the lowest trace metal background.

Available in sizes from 50-2000 mL, Savillex lab bottles are widely used for high purity acid and base packaging in many trace metals labs around the world. Wash bottles and dropper bottles are also available.

Savillex also offers the Purillex® bottle line, designed specifically for the life sciences industry's storage and shipment of bulk drugs. Purillex bottles come with manufacturing lot certification and are available non-sterilized or sterilized.

Bottle Ordering Information (view full product listing on savillex.com)

Part #	Description	Quantity
150-01-0050	50 mL PFA Lab Bottle with 33 mm Closure with Lugs	1/Each
150-01-0100	100 mL PFA Lab Bottle with GL45 Closure	1/Each
150-01-0250	250 mL PFA Lab Bottle with GL45 Closure	1/Each
150-01-0500	500 mL PFA Lab Bottle with GL45 Closure	1/Each
150-01-1000	1000 mL PFA Lab Bottle with GL45 Closure	1/Each
150-01-2000	2000 mL PFA Lab Bottle with GL45 Closure	1/Each

Standard & Sealed Jars

Standard molded PFA jars are extensively used for securely collecting, storing, archiving, and/or disposing of a diverse range of matrices. Their seamless design, along with a radiused interior and wide-mouth opening, facilitates effortless transfer and removal of contents in their entirety. The translucent finish also ensures visibility of materials within the jar. A wide range of sizes is offered to suit different needs.

Sealed PFA jars are fused together through welding to create an airtight chamber when ports and/or drains are sealed. Each sealed jar features two connecting tube ports, either one at each end or both at the same end. Their heavy-walled construction enables use in pressurized applications. These jars can serve as surge chambers or accumulation reservoirs in transfer lines.

Jar Ordering Information (view full product listing on savillex.com)

Part #	Description	Quantity
100-0120-01	120 mL Standard Jar	1/Each
100-0500-01	500 mL Standard Jar	1/Each
102-0010-01	10 mL Sealed Jar, (2) 1/8" Ports	1/Each
102-0475-03	475 mL Sealed Jar with Molded Drain, (2) 1/4" Ports	1/Each

Standard & Specialty Vials

Savillex PFA vials have been a premier option for rigorous trace metal applications for four decades, finding widespread adoption in laboratories worldwide for sample preparation and storage. Their flat bottoms and wide temperature range make them suitable for direct use on hotplates. Crafted from high-purity virgin PFA, they boast chemical inertness and exceptionally low trace metal content.

Savillex's specialized PFA vials are primarily used for sample preparation in geochemistry. With a PFA service temperature range spanning from -328°F to 500°F (-200°C to 260°C), they are suited for multiple digestions in pressure bomb apparatus. Moreover, their rounded interior facilitates effortless contents removal. Some vials also feature thicker walls, enabling use in higher pressure applications.

Vial Ordering Information (view full product listing on savillex.com)

Part #	Description	Quantity
200-003-20	3 mL Standard Octagonal Body Vial, Rounded Interior	1/Each
200-005-32	5 mL Standard Vial, Conical Interior, Fin Legs	1/Each
200-015-12	15 mL Standard Vial, Flat Interior	1/Each
200-060-30	60 mL Standard Vial, Conical Interior	1/Each
200-902-60	200 µL Specialty Vial, Ludwig Style	1/Each

Laboratory Beakers

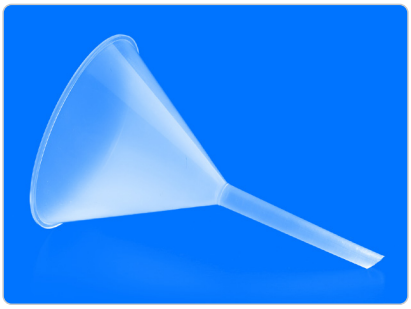
Low-Form Griffin beakers, molded entirely from 100% PFA, combine toughness with near transparency, featuring a flat bottom suitable for direct placement on a heating surface. Facilitating accurate and steady pouring, they are equipped with a flared spout. These beakers come in five different sizes to accommodate various needs.

Beaker Ordering Information (view full product listing on savillex.com)

Part #	Description	Quantity
700-720	50 mL Beaker, Graduated	1/Each
700-730	125 mL Beaker, Graduated	1/Each
700-740	250 mL Beaker, Graduated	1/Each

Laboratory Funnels

Savillex translucent PFA funnels boast chemical inertness, exceptional durability, and resilience to temperature fluctuations. They excel in ultra-pure liquid transfers within environmental, biomedical, and electronics contexts. Constructed entirely of PFA, they are autoclavable and eliminate the risk of phthalate contamination.



Funnel Ordering Information

Part #	Description	Quantity
700-440	40 mL Funnel	1/Each
700-480	80 mL Funnel	1/Each

Laboratory Volumetric Flasks

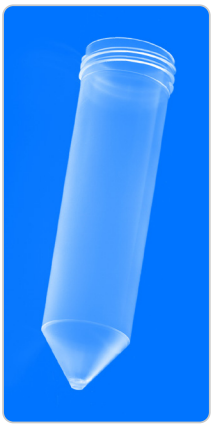
Volumetric flasks offer high transparency, easy maintenance, and adhere to Class A tolerances as per DIN EN ISO 1042 standards. Made from molded PFA, they exhibit excellent resistance to both heat and chemical contamination. The surface properties of PFA facilitate superior cleanup compared to glass, minimizing sample carryover risk in trace analysis scenarios. Moreover, their screw cap design further reduces contamination risks compared to traditional stopper designs.

Flask Ordering Information (view full product listing on savillex.com)

Part #	Description	Quantity
710-001-025	25 mL PFA Volumetric Flask with Threaded Closure, Class A	1/Each
710-001-250	250 mL PFA Volumetric Flask with Threaded Closure, Class A	1/Each

Standard Tubes

Savillex molded PFA tubes are widely used in preparing and storing various samples for trace metals analysis and other applications. Offering a wide service temperature range, they are both unbreakable and available in diverse designs and sizes, catering to a wide array of needs. Specifically, conical bottom tubes are engineered for use in centrifuges.



Tube Ordering Information (view full product listing on savillex.com)

Part #	Description	Quantity
210-005-21	5 mL Standard Tube, Rounded Interior, Open Top	1/Each
210-015-30	15 mL Standard Tube, Conical Interior, Threaded Top	1/Each
210-032-20	32 mL Standard Tube, Rounded Interior, Threaded Top	1/Each
210-050-20	50 mL Standard Tube, Rounded Interior, Threaded Top	1/Each
210-050-30	50 mL Standard Tube, Conical Interior, Threaded Top	1/Each

Filtration

Savillex manufactures all filter assemblies and components using PFA to ensure broad chemical compatibility and minimal metal contamination. Specifically designed for use with Savillex PTFE membranes, these products are used across various scenarios involving both liquids and gases. A wide variety of sizes, styes, and configurations are available within all three filtration product categories.

Filtration Membranes

Crafted from pure PTFE, Savillex filter membranes come in various diameters and pore sizes to fit Savillex pre-configured or customized PFA filter assemblies. These membranes are chemically and biologically inert, and compatible with solvents, acids, and bases. Given PTFE's inherent hydrophobic nature, Savillex membranes are particularly useful for aerosol sampling and gas filtration applications.

Filtration Components

Molded PFA filter components facilitate the creation of chemically inert custom filter assemblies in various sizes and configurations. Each assembly consists of an inlet, filter grid, clamp, and outlet. Membranes are accessible for all assembly sizes and can be replaced without disconnecting external lines, although wrench use is suggested for optimal performance.

Filtration Assemblies

Pre-assembled PFA filtration units, available in various configurations, are used for in-line filtration of liquids or gases, as single-stage or multiple-stage assemblies. Savillex PFA filter assemblies and membranes comply with EPA sampling protocol 16A and serve as pre-filters in leading gas emission monitoring instruments.

These instruments analyze common air pollutant indicators like nitrogen oxides, sulfur dioxide, and mercury. The high temperature range, chemical resistance, and purity of PFA make Savillex filter assemblies ideal for sensitive analyses. PTFE filter membranes are crucial and can be replaced without disconnecting external lines, while using wrenches is recommended for optimal performance.

Over 100 filtration products available - shop the Filtration category today on savillex.com

Acid Purification

DST-1000 / DST-4000

Savillex's DST acid purification systems offer a straightforward and cost-effective solution for generating high-purity acids for clean sample preparation, particularly for ICP-MS and other metals analysis techniques.

Starting with low-cost trace metal grade acid, the DST-1000 can produce 500 mL of high-purity HNO_3, HCl, or HF in approximately 12 hours; while the higher-capacity, semi-automated DST-4000 can double that output in the same timeframe. Depending on the laboratory's acid requirements, these units can recoup their investment in just a few months or even weeks.

Ordering Information (view full product listing on savillex.com)

Part #	Description	Quantity
525-1000-100	DST-1000 Acid Purification System, 100 V	1/Each
525-4000-120	DST-4000 Acid Purification System, 120 V	1/Each

Sample Introduction Systems and Clean Sample Prep

Visit the Savillex website to see our complete line of precision labware for these applications.

Experience the Savillex Advantage Today

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