Purillex® ETFE Bottles for Radiopharmaceutical Manufacturing

Savillex Data Sheet

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.

1000 mL Purillex ETFE Bottle

Applications

ETFE bottles can be used for a variety of applications involving radioisotopes and other sensitive materials, including:

- **Radioisotope storage -** Safe containment of radioactive materials used in medical, industrial, and scientific research
- **Radiopharmaceutical prep -** Storing & handling radiolabeled compunds used in drug development and nuclear medicine
- **Nuclear imaging research -** Holding reagents and samples used in PET (Positron Emission Tomography) and SPECT (Single Photon Emission Computed Tomography) studies
- **Tracer studies -** Containing isotopes used to track biochemical pathways or environmental dispersion

Data Sheet

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- **Hot lab chemical storage -** Safe containment of high-purity or corrosive chemicals used in nuclear research
- **Radioactive waste collection -** Holding & transporting small amounts of radioactive liquid waste for disposal
- **Calibration standards -** Storing radioisotope reference materials for instrument calibration and quality control
- **Biological research -** Storing radiolabeled proteins, DNA, or other biomolecules in molecular biology and the life sciences
- **Environmental testing -** Holding water, soil, or air samples for radioactivity analysis in contamination studies
- **Material compatibility testing -** Studying interactions between radioisotopes and different materials for shielding or containment research

Benefits

Key benefits of Purillex fluoropolymer containers include:

- ETFE can withstand radiation exposure without significant degradation, making it ideal for long-term storage and transport of radioactive materials
- Exceptional chemical resistance against aggressive solvents and acids
- Stability across a wide temperature range
- ETFE is highly durable and resistant to cracking or breakage, ensuring safe handling and transport

PETG for Radiopharmaceuticals

Savillex manufactures PETG Bottles that are used in several parts of the radiopharmaceutical manufacturing and quality control processes, primarily where clarity, sterility, and strength are required. Our Purillex® PETG Square Media Bottles will deliver the same high quality that you'll receive with our ETFE bottles. To request samples of Purillex PETG Square Media Bottles, or for more technical information, contact info@savillex.com.

Purillex PETG Square Media Bottles

ETFE Bottle Ordering Information*

Part #	Bottle Size	Closure Size	Certificate of Conformance	Quantity/Case
170-03-1000	1000 mL	GL45	Yes	1/each

**Additional sizes coming soon*

Click here to learn more and buy Purillex ETFE Bottles.

Click here to learn more and buy Purillex PETG Bottles.

Savillex
10321 West 70th St. | Eden Prairie, MN 55344-3446 USA | Phone: 952.935.4100
Email: info@savillex.com | www.savillex.com