

# LabPure® FEP Bags



**Chemical and  
Temperature  
Resistant.**

High Purity Fluorinated Ethylene Propylene (FEP) Bags offer critical properties for research and industrial applications.





## LabPure® FEP Bags

LabPure® High Purity Fluorinated Ethylene Propylene (FEP) bags offer critical properties for a variety of research and industrial applications, such as:

- **Aggressive chemical storage:** an ideal container for aggressive chemicals and solvents used in biomanufacturing, chemical, semiconductor and other industries
- **Cryopreservation:** are flexible in liquid nitrogen for valuable sample storage
- **Cell Culture:** a closed system for scale-up in research and bio-processing applications

## High Purity FEP Material

LabPure® FEP bags are made from the highest quality FEP material with properties that include:

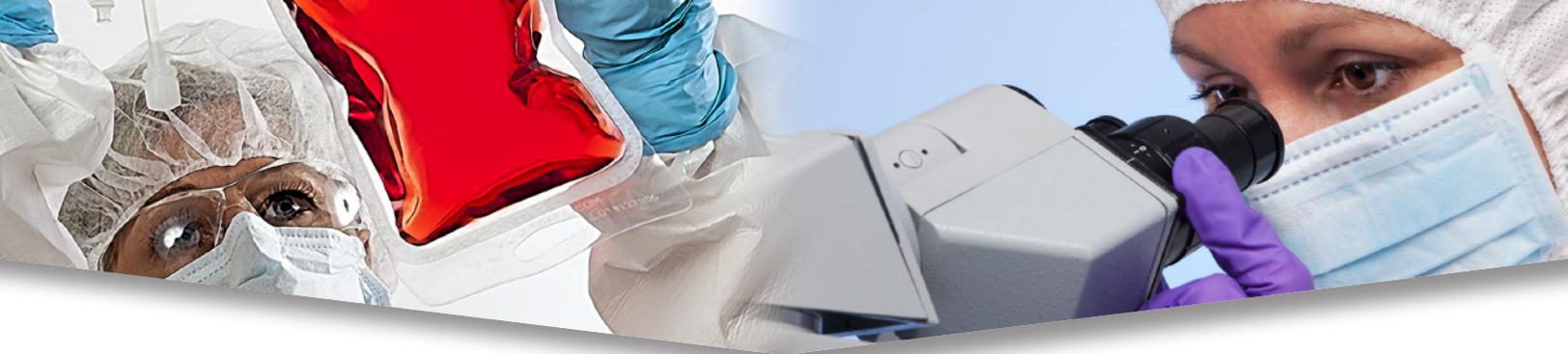
- Excellent biocompatibility profile - certified USP Class VI for ultra-pure application
- Animal Derived Component Free (ADCF) bags and ports, have very low extractables, offering a neutral environment
- Transparent and flexible from -200°C to 200°C, making them ideal for very low (cryopreservation) and high-temperature applications

- Highly resistant to almost all aggressive chemicals (including DMSO) and biologics
- Good gas permeability for cell culture growth
- Extremely low water-vapor transmissibility for cell respiration without water loss
- Optically clear - transmit UV, visible and IR light for specialty applications

Our high purity bags offer sterility assurance level (SAL)  $10^{-6}$  and no particulates over 50 microns.

Dimensions						Permeability			
Part Number	Nominal Volume at 1 cm thick	Number of Ports	Outside Dimensions, cm	Inside Dimensions, cm	Inside Surface Area, cm <sup>2</sup>	O <sub>2</sub> (gas) cc/day @ 37°C	CO <sub>2</sub> (gas) cc/day @ 37°C	N <sub>2</sub> (gas) cc/day @ 37°C	H <sub>2</sub> O (liquid) cc/day @ 37°C
LP-0025	25ML	2	9.1 x 8.5	8.1 x 5.7	93	29	66	11	0.006
LP-0050	50ML	2	9.4 x 13.5	9.7 x 8.4	162	50	115	19	0.01
LP-0100	100ML	2	9.7 x 17.3	8.6 x 11.2	193	59	137	22	0.012
LP-0250	250ML	2	12.2 x 29.5	11.1 x 25.7	573	176	407	66	0.036
LP-0500	500ML	3	20.6 x 36.8	19.6 x 33.0	1292	398	917	149	0.081
LP-1000	1000ML	3	21.3 x 44.6	20.3 x 40.6	1652	509	1173	191	0.104





## LabPure® FEP Bags for Life Science and Industrial Applications

- A proprietary bag laser sealing process that uses minimal heat and protects the material from damage
- The bags allow cell respiration through the wall of the container
- Allow storage in a flexible closed bag system over a wide range of conditions
- Available in six common laboratory sizes with attached non-DEHP, ADCF Tygon® tubing
- Offer sterilized and ready to use in life science applications

## Closed Cell Culture System

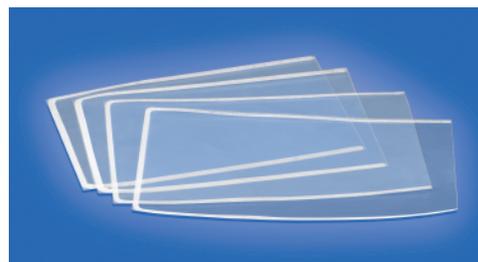
Saint-Gobain LabPure® FEP bags are neutral and non-stimulating to cells, providing an excellent environment for the effective expansion, harvesting and storage of cell cultures. They have good gas permeability to O<sub>2</sub>, N<sub>2</sub> and CO<sub>2</sub> for culture growth and they have very low vapor transmissibility, allowing cell respiration without water loss.

The bags are ideal for closed system scale-up from multi-well plates or small T-flasks. The LabPure® bags can be used for static cell culture in an incubator or incubator room without the need for humidification. Because the bags remain flexible in liquid nitrogen, products can also be cryopreserved.

## FEP Overwraps

Saint-Gobain offers FEP overwraps for cryopreservation of extremely valuable products.

Part Number	Outside Dimensions, cm	Inside Dimensions, cm	To be used with FEP Bag Part Numbers
LP-OW Small	22.4 x 11.7	20.8 x 10.7	LP-0025/LP-0050
LP-OW Medium	38.4 x 14.5	36.8 x 13.5	LP-0100/LP-0250
LP-OW Large	53.3 x 26.6	51.8 x 22.61	LP-0500/LP-1000



## Storage of Aggressive Chemicals or Solvents

Saint-Gobain LabPure® bags are an ideal container for storage of aggressive chemicals and solvents used in bio-manufacturing, chemical, semiconductor and other industries. The stored chemicals remain highly pure throughout the duration of storage. LabPure® bags have a long service life and contain very low extractables and no plasticizers, preserving the purity of stored material. The bags are also an excellent alternative to glass, polystyrene (PS) or polycarbonate (PC) containers, which present a high risk of breakage and environmental contamination.

For more than four decades, Saint-Gobain Performance Plastics and its family of companies have supplied the world with innovative, high-performance polymer products for the most demanding applications. Our tradition of excellence goes back almost 350 years through our parent company, Compagnie de Saint-Gobain, one of the world's top 100 industrial corporations, with operations in 64 countries. This successful corporation has been built with the single purpose of serving the customer and a commitment to quality and leadership in each of the industries served.



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## Fluid Transfer Assemblies Aseptic Transfer and Sterile Processing

Standard LabPure® FEP bags are equipped with Tygon® tubing that can be sterile docked to other PVC tubing. Plus, Saint-Gobain offers a wide range of fluid transfer assemblies, including tubing, syringes, clamps and adaptors. Custom assemblies are available upon request.

- Tygon® tubing is the industry standard for high- performance
- Different adapters and connectors are available for convenient assembly
- Sampling Fluid Transfer sets include syringe
- All Fluid Transfer Assemblies materials are FDA Class VI compliant
- Custom Fluid Transfer Assembly sets and bag tubing modification are available upon request (C-Flex, Platinum Silicone, Viton, PharMed and other formulations)

Fluid Transfer Assemblies				
Part Number	Description of Assembly Parts	Qty/Bag	Unit of Measure	Product
<b>FTA-2FL1ML-Y</b>	1 - Y Connector	1	ea	
	2 - SA-22 Retaining Rings	6	ea	
	3 - Tygon ND-100-80 Tubing, 6" long (15.24cm)	1.5	ft	
	4 - Female Luer Barb Connector	2	ea	
	5 - Male Luer Barb Connector	1	ea	
	6 - Non-Vented Cap	2	ea	
	7 - Female Luer Sealable Cap	1	ea	
<b>FTA-1FL-8RC</b>	1 - Non-Vented Cap	1	ea	
	2 - Female Luer Connector	1	ea	
	3 - Tygon ND-100-80 Tubing, 8" long (20.32cm)	.067	ft	
	4 - Roller Clamp	1	ea	
<b>FTA-2ML6</b>	1 - Tygon ND-100-80 Tubing, 6" long (15.24cm)	.05	ft	
	2 - Male Connector ABS	2	ea	
	3 - Vented Cover Male Luer Cap	2	ea	
<b>FTA-30V12</b>	1 - 30mL VacLok Syringe	1	ea	
	2 - Female Luer Tubing Connector	1	ea	
	3 - Tygon ND-100-80 Tubing, 12" long (30.48cm)	.05	ft	