

# VueLife® Closed Culture System

## The clear choice for cell culture



Distributor for Saint-Gobain FEP bags in Europe



**CellGenix GmbH**  
Am Flughafen 16  
79108 Freiburg / Germany

+49 761 888 89 330 ✉ [info@cellgenix.com](mailto:info@cellgenix.com)  
[www.cellgenix.com](http://www.cellgenix.com)

**Non-reactive fluorinated ethylene propylene (FEP)  
bags providing safe use, storage and transport for  
immunologic and biologic applications**

# VueLife® FEP Bags

VueLife® fluorinated ethylene propylene (FEP) containers are made from the highest quality USP Class VI materials. The unique design allows access to culture in a closed system environment with the use of sterile docking equipment. The high permeability to oxygen and carbon dioxide allows cellular respiration and improved cell expansion.

## VueLife® Bags Features

- > VueLife bags are non-immunogenic and have excellent gas permeability making them ideal for cell culture.
- > Hydrophobic nature of FEP offers enhanced retrieval of contents
- > Connection to the bag is by means of sterile docking to the PVC tubing or connection via a female luer port
- > Needle-less injection site provides safe and aseptic access to the contents for feeding or sampling; swabable and mates with standard male luer fittings or needle adapters
- > Small volumes of cultures may be started in portions of the bag that are partitioned by external clamps; clamps may be moved to increase the volume as the culture expands and feeding is required
- > Rounded corners provide for cold strength durability during cryopreservation and maximal product retrieval after cryopreservation
- > Non-reactive with virtually all chemicals and biologicals, including DMSO and DMF
- > For most applications, FEP will not adsorb or absorb any chemical or biologic agent
- > Each container is individually tested and inspected
- > Sterility Assurance Level (SAL) 10<sup>-6</sup>
- > 510(k) cleared; Inquire regarding Device Master File

## Applications

The containers are suitable for the culture of highly concentrated T or NK cells as well as for the maturation of dendritic cells. These culture bags are also used for the expansion of cord blood and for other medical and industrial applications. The FEP material permits direct U.V. and I.R. irradiation of the contents of the bags without breaking sterility.

## FEP Material

- > 5 mil (.005") fluorinated ethylene propylene (FEP) film
- > USP Class VI compliant
- > Hydrophobic nature of FEP offers enhanced retrieval of contents
- > Film and ports are animal-derived component free (ADCF)
- > Optically clear; transmits UV, visible and IR light
- > Non-immunogenic; FEP material has no extractables, compliant with USP<661>

## Pre-attached Tubing

Consists of standard PVC tubing with a Y connector. The recommended filling technique is by sterile docking to the PVC tubing. C-Flex® tubing that allows sterile connection via welding to other C-Flex lines is available upon request as are custom tubing combinations.



# VueLife® Adherent Culture FEP Bags

The VueLife® adherent culture (AC) containers are made from the highest quality USP Class VI FEP film with proprietary surface treatment. The unique design allows access to the culture in a closed system environment with the use of sterile docking equipment. The high permeability to oxygen and carbon dioxide allows respiration without the risk of contamination.

## VueLife® AC Bag Features

- > Extremely permeable to gases whilst maintaining an excellent barrier to water vapor. This allows for cells to respire through the bag without the concern of dehydration.
- > Connection to the bag is by means of sterile docking to the PVC tubing or connection via a female luer port
- > Needle-less injection site provides safe and aseptic access to the contents for feeding or sampling; this site is swabable and mates with standard male luer fittings or needle adapters
- > Small volumes of cultures may be started in portions of the bag that are partitioned by external clamps; clamps may be moved to increase the volume as the culture expands and feeding is required
- > Non-reactive with virtually all chemicals and biologicals, including DMSO and DMF
- > For most applications, FEP will not adsorb or absorb any chemical or biologic agent
- > Each container is individually tested and inspected
- > Sterility Assurance Level (SAL)  $10^{-6}$
- > 510(k) cleared; Inquire regarding Device Master File

## Applications

The proprietary surface treatment on VueLife® AC bags is meant to better promote cell and protein adhesion to the surface of the bag. Due to this, the bags can be used when a protein layer is needed (e.g. for transfection) or for culturing of cell types that may require adhesion.

## FEP Material

- > 5 mil (.005") fluorinated ethylene propylene (FEP) film
- > USP Class VI compliant
- > Film and ports are animal-derived component free (ADCF)
- > Optically clear; transmits UV, visible and IR light
- > Non-immunogenic; FEP materials have no extractables, compliant with USP <661>

## Pre-attached Tubing

Consists of standard PVC tubing with a Y connector. The recommended filling technique is by sterile docking to the PVC tubing. C-Flex® tubing that allows sterile connection via welding to other C-Flex lines is available upon request as are custom tubing combinations.



## VueLife® Adherent Culture FEP Bags

Capacity	50 ml	175 ml	275 ml	275 ml
Catalog Number	32-AC	72-AC	118-AC1	119-AC
Volume	32 ml at 1 cm thick	72 ml at 1 cm thick	118 ml at 1 cm thick	118 ml at 1 cm thick
Outside Dimensions	9.1 cm x 17 cm	9.7 cm x 22.4 cm	21.8 cm x 13.7 cm	21.8 cm x 14.7 cm
Inside Dimensions	8.6 cm x 5.8 cm	8.6 cm x 11.2 cm	10.4 cm x 12.8 cm	10.4 cm x 13.7 cm
Inside Surface Area (2 sides)	100 cm <sup>2</sup>	193 cm <sup>2</sup>	266 cm <sup>2</sup>	285 cm <sup>2</sup>
Permeability				
O <sub>2</sub> (gas) (cc/day@37°C)	31	59	82	88
CO <sub>2</sub> (gas) (cc/day@37°C)	71	137	198	202
N <sub>2</sub> (gas) (cc/day@37°C)	12	22	31	33
H <sub>2</sub> O (liquid) (cc/day@37°C)	0.006	0.01	0.02	0.02

## VueLife® Adherent Culture FEP Bags

Capacity	500 ml	1000 ml	3 liter
Catalog Number	197-AC	290-AC	750-AC
Volume	197 ml at 1 cm thick	290 ml at 1 cm thick	750 ml at 1 cm thick
Outside Dimensions	14.9 cm x 24.4 cm	14.2 cm x 37.1 cm	22.1 cm x 53 cm
Inside Dimensions	23.4 cm x 14.2 cm	13.2 cm x 26.7 cm	20.8 cm x 38.6 cm
Inside Surface Area	665 cm <sup>2</sup>	705 cm <sup>2</sup>	1606 cm <sup>2</sup>
Permeability			
O <sub>2</sub> (gas) (cc/day@37°C)	150	217	495
CO <sub>2</sub> (gas) (cc/day@37°C)	347	501	1140
N <sub>2</sub> (gas) (cc/day@37°C)	56	81	186
H <sub>2</sub> O (liquid) (cc/day@37°C)	0.03	0.04	0.10



NOTE: All dimensions and volumes are +/- 8% except as noted

## VueLife® FEP Bags

Capacity	45 ml	175 ml	275 ml	275 ml
Catalog Number	32-C	72-C	118-C	119-C
Volume	32 ml at 1 cm thick	72 ml at 1 cm thick	118 ml at 1 cm thick	119 ml at 1 cm thick
Outside Dimensions	9.4 cm x 15.7 cm	9.7 cm x 21.3 cm	13.5 cm x 16.7 cm	19.1 cm x 14.7 cm
Inside Dimensions	8.2 cm x 5.3 cm	8.6 cm x 11 cm	12.8 cm x 10.9 cm	10.2 cm x 13.7 cm
Inside Surface Area (2 sides)	87 cm <sup>2</sup>	189 cm <sup>2</sup>	279 cm <sup>2</sup>	280 cm <sup>2</sup>
Permeability				
O <sub>2</sub> (gas) (cc/day@37°C)	27	58	86	86
CO <sub>2</sub> (gas) (cc/day@37°C)	62	134	198	199
N <sub>2</sub> (gas) (cc/day@37°C)	10	22	32	32
H <sub>2</sub> O (liquid) (cc/day@37°C)	0.005	0.01	0.02	0.02

## VueLife® FEP Bags

Capacity	500 ml	1000 ml	1000 ml	3 liter
Catalog Number	197-AC	290-C	290-C1	750-C1
Volume	197 ml at 1 cm thick	290 ml at 1 cm thick	290 ml at 1 cm thick	750 ml at 1 cm thick
Outside Dimensions	14.9 cm x 29.0 cm	14.2 cm x 34.8 cm	31.0 cm x 14.2 cm	22.1 cm x 47.0 cm
Inside Dimensions	18.8 cm x 14.2 cm	13.2 cm x 25.7 cm	25.9 cm x 13.4 cm	21.1 cm x 39.1 cm
Inside Surface Area	534 cm <sup>2</sup>	678 cm <sup>2</sup>	694 cm <sup>2</sup>	1650 cm <sup>2</sup>
Permeability				
O <sub>2</sub> (gas) (cc/day@37°C)	165	209	213	508
CO <sub>2</sub> (gas) (cc/day@37°C)	379	481	492	1172
N <sub>2</sub> (gas) (cc/day@37°C)	62	78	80	191
H <sub>2</sub> O (liquid) (cc/day@37°C)	0.03	0.04	0.04	0.10

NOTE: All dimensions and volumes are +/- 8% except as noted

For more than four decades, Saint-Gobain 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 over 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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**Saint-Gobain Performance Plastics**  
431-A East Diamond Avenue  
Gaithersburg, MD 20877  
Phone: 800-990-1407  
Phone: 800-360-1050

**[WWW.BIOPHARM.SAINT-GOBAIN.COM](http://WWW.BIOPHARM.SAINT-GOBAIN.COM)**  
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**WARNING:** The content of Saint-Gobain Performance Plastics' tubing materials is not certified by the FDA for implant devices and is neither designed nor intended to be used in medical applications involving permanent implantation in the human body or permanent contact with body fluids or tissues. Failure to comply with this warning may lead to serious bodily injury or death.

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