

Instructions for Use **VueLife®** **Culture Bags**

Intended Use:

Saint-Gobain VueLife® Culture Bags are all made using USP Class VI fluorinated ethylene propylene (FEP) film. VueLife® Culture Bags are intended to be used for the containment of fluids and suspensions during transportation, processing, incubation, storage and cryopreservation. The VueLife® Standard Culture Bags (“C” Bags) use an untreated form of this FEP film. Conversely, VueLife® Adherent Culture Bags (“AC” Bags) utilize a treated form of the FEP. This proprietary surface treatment results in the VueLife® “AC” Bag interior having a higher surface energy than the VueLife® “C” Bag. The modified surface of the VueLife® “AC” Bag is meant to better promote cell and protein adhesion to the surface of the bag.

Contraindications:

Do not use VueLife® Culture Bags for direct infusion or direct collection.

Precautions:

1. VueLife® Culture Bags are provided both sterile and non-sterile based on user specification. Provided that the integrity of the package is not compromised in any way for sterile VueLife® Culture Bags, the packaging will serve as an effective sterile barrier until the expiration date shown on the label. If the packaging is damaged or compromised, the VueLife® Culture Bags should not be used.
2. VueLife® Culture Bags are designed for single use only, do not reuse the device.
3. Do not resterilize VueLife® Culture Bags.
4. VueLife® Culture Bags are equally gas permeable on top and bottom. Therefore, efforts should be made to ensure that neither side is obstructed from gas flow.

Instructions:

The below instructions provide general guidance for the use of both VueLife® Standard Culture Bags and VueLife® Adherent Culture Bags. Exact step by step process may vary depending on customer’s specific application.

1. Remove the bag from the autoclave pouch. Depending on bag design, you may wish to do this step in a properly functioning bio-hood.

- a. The “C” and “AC” series of bags are “closed systems” and come standard with steriledockable tubing, to allow sterile addition or transfer of materials. Their interior will remain sterile even if the bag is removed from the autoclave pouch in an open laboratory environment.
 - b. Other bag designs may have open airways, and internal bag sterility will be affected when the bags are removed from the autoclave pouch. This should be considered when using these products.
2. It is not recommended, nor is it required to flush the bag prior to use.
3. Depending on the bag used, fill the bag with cell suspension, media, or desired material using method of choice, including but not limited to:
 - a. Gravity fill by sterile docking source container to PVC tubing on bag
 - b. Pumping in contents by sterile docking source container to PVC tubing on bag
 - c. Sterile docking syringe tubing set to source container and to PVC tubing on bag
 - d. Syringe transfer through needleless injection site on bag
 - e. Transfer through the female or male port, where present, either by syringe or use of an appropriate fitting
4. If contents are seen to pool near ports during filling, “roll” the contents towards the opposite end of the bag.
5. Fill volume should not exceed the maximum fill volume stated on the product specification sheet. For cell culture, it is recommended that the thickness of media does not exceed 1cm when the bag is lying flat. This volume is stated on the specification sheet of the product and can also be derived from the bag product code. For instance, a 290-C bag can be filled with 290mL of media to obtain an approximate 1cm fluid volume thickness.
6. For culturing, ensure that the bag is placed flat. For optimal gas exchange, a culture rack is highly recommended to be used to lift the bottom of the bag off the surface of the incubator shelves. The culture racks that fit in most incubators can be ordered through Saint-Gobain.
7. To view the contents of the bag, place the bag directly on the microscope stage, as the FEP material is optically clear and can transmit UV, visible and IR light.
8. For adherent cells, the cells may be removed by conventional methods (e.g. trypsin) or by physical measures. This will depend on the level of adhesion to the bag.
9. Remove the material from the bag by method of choice. Refer to step #3 above for a nonexhaustive list of options.

Definitions:



Batch



Code

Catalogue Number



Consult Instructions for Use



Do Not Resterilize



Manufacturer



Non Sterile



Sterilized through Dry Heat or Steam



Use by Date

Distributor for Saint-Gobain FEP bags in Europe



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Manufacturer

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