



## CELL CULTURE BAG

The Omni C3™ bag is a simple-to-use, single-use device for the culture, harvest and storage of cells. The vessel is constructed using a USP Class VI medical grade material displaying the high gas permeability needed to support rapid cell growth, and with the robustness necessary for centrifugation and long-term cryo-cell storage.

In addition to the screw cap fitment that facilitates cell harvesting, the Omni C3™ bags are available with both integrated needleless Luer-lock ports and needle ports for aseptic inoculation and sampling. These ports can also be used to connect several bags in series for easy production scale-up.

Furthermore, Lampire is able to provide the Omni C3™ bags pre-filled and sterilized with various cell scaffold materials. Uses for these scaffolds include maximizing the production of anchorage-dependent cells or advanced stem cell culture procedures in the Omni C3™ bags..



### Culture

The high gas permeability of the Omni C3™ bags eliminates the need for additional aeration and only a standard incubator is necessary to support the growth of several mammalian cell types including:

- Hybridomas
- CHO
- HEK293
- Jurkats
- Various stem cell lines

The Omni C3™ bags can be adapted for the culture of insect, CHO-S and plant cells.

### Centrifugation

The 50mL, 250mL and 1L Omni C3™ bags fit into standard centrifuge adaptors and rotors, for single-step cell harvesting using standard centrifugation conditions. The large screw cap fitment allows easy removal of material from the bags.

### Cryo-Storage

The Omni C3™ bags are fully stable under conditions of cryo-storage, displaying chemical resistance to DMSO and DMF and maintaining strength and flexibility at temperatures employed for long-term cell storage.



The Omni C3™ bags are available in a range of sizes from 50mL up to 25L. (see reverse side for standard configurations)

These can be customized to meet specific applications from batch and scale-up cell culture to perfusion protocols.

Standard Sizes and Configuration Available

Description	Fitment	2 Port	4 Port
50mL OMNI C3™ Cell Culture Bag	X		
250mL OMNI C3™ Cell Culture Bag	X		
250mL OMNI C3™ Cell Culture Bag	X	X	
250mL OMNI C3™ Cell Culture Bag	X		X
250mL OMNI C3™ Cell Culture Bag		X	
250mL OMNI C3™ Cell Culture Bag			X
1L OMNI C3™ Cell Culture Bag	X		
1L OMNI C3™ Cell Culture Bag	X	X	
1L OMNI C3™ Cell Culture Bag	X		X
1L OMNI C3™ Cell Culture Bag		X	
1L OMNI C3™ Cell Culture Bag			X
2L OMNI C3™ Cell Culture Bag	X		
2L OMNI C3™ Cell Culture Bag	X	X	
2L OMNI C3™ Cell Culture Bag	X		X
2L OMNI C3™ Cell Culture Bag		X	
2L OMNI C3™ Cell Culture Bag			X
10L OMNI C3™ Cell Culture Bag	X		
10L OMNI C3™ Cell Culture Bag	X		X
10L OMNI C3™ Cell Culture Bag			X
25L OMNI C3™ Cell Culture Bag	X		
25L OMNI C3™ Cell Culture Bag	X		X
25L OMNI C3™ Cell Culture Bag			X

**Custom made bags are also available.**

The Omni C3™ Cell Culture Bags are available now.

For more information or for an individual quote, please contact your Lampire representative, call us at 215.795.2838, email us at [info@lampire.com](mailto:info@lampire.com) or visit us at [www.lampire.com](http://www.lampire.com).

LAMPIRE Biological Laboratories, Inc.  
 P.O. Box 270 Pipersville, PA 18947  
 Phone 215.795.2838 Fax 215.795.0237 Email [info@lampire.com](mailto:info@lampire.com)  
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# Culture



# Centrifuge



# Cryo

