

New!

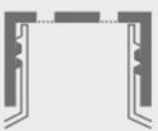
MS[®] Cell Culture Flask

Introduction

MS offers *plug seal cap* and *vented cap* cell culture flask with growth areas of 25cm² 75cm² and 150cm². MS[®] cell culture flasks are with tissue culture-treated surface or non-treated. All the flasks are with canted necks which allow easier pouring and improved access to the flask for pipetting or scraping.



Plug seal caps are designed for use in closed systems, providing a liquid-and gas-tight seal. When loosened, this cap can also be used in open systems.



Vented caps contain a 0.22 µm pore, hydrophobic PTFE membrane sealed to the cap. This offers protection - as with her hydrophobic characteristics it repels any fluid - with optimal gas exchange at the same time.

Features

- ◆ Certified non-phylogenic, being DNA and RNA free
- ◆ Improved cell adhesion through physical surface treatment
- ◆ Geometry of the neck reduces risk of media slop over
- ◆ Highly visible bilateral marking area
- ◆ Accurate volume graduations for optic control of the filling volume

Additional advantages

- ◆ Marking area with lines on both sides to allow your identification
- ◆ Excellent access of pipettes, tissue scrapers and tissue spatula
- ◆ Increased overflow height reduces the danger of slopover of media

Treated Surface:

MS[®] polystyrene cell culture vessels are surface modified using either corona discharge (flasks, dishes and plates) or gas-plasma (roller bottles and culture tubes). These processes generate highly energetic oxygen ions which graft onto the surface polystyrene chains (Figure 1.) so that the surface becomes hydrophilic and negatively charged when medium is added. The more oxygen that is incorporated on to the surface the more hydrophilic it becomes and the better it is for cell attachment and spreading.

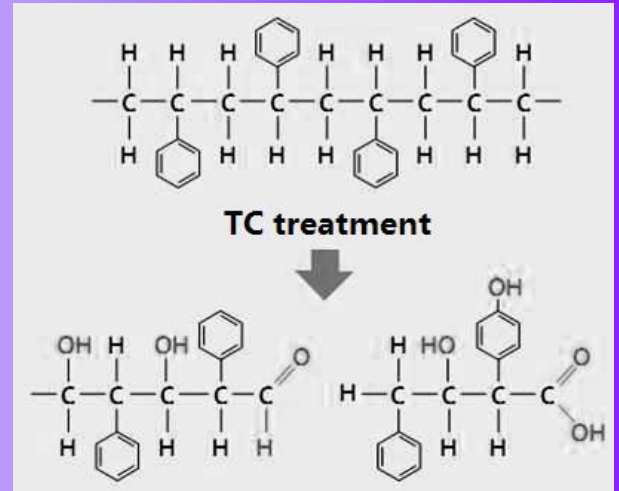


Figure 1. MS's treatment modifies the surface by adding oxygen containing chemical groups

Order Information

Growth Surface (cm ²)	Volume (ml)	Theoretical number	Surface	Cap Style	Pcs/Case	Catalog No.
25	recom. = 3~5 max = 15	2.8×10 ⁶	Non-treated	Plug seal	10/200	LBCF0025N
				Vented	10/200	LBCF1025N
			TC-treated	Plug seal	10/200	LBCF0025T
				Vented	10/200	LBCF1025T
75	recom. = 8~15 max = 65	8.5×10 ⁶	Non-treated	Plug seal	5/100	LBCF1075N
				Vented	5/100	LBCF1075N
			TC-treated	Plug seal	5/100	LBCF1075T
				Vented	5/100	LBCF1075T
150	recom. = 15~30 max = 165	16.9×10 ⁶	Non-treated	Plug seal	5/40	LBCF0150N
				Vented	5/40	LBCF1150N
			TC-treated	Plug seal	5/40	LBCF0150T
				Vented	5/40	LBCF1150T

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