



The cultivation of cells as mass cultures has become increasingly important over the past few decades. Mass cell cultures are mainly used for the production of vaccines or recombinant proteins for therapeutic approaches.

## MASS CELL CULTURE

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/ For further information, please refer to our website: [www.gbo.com](http://www.gbo.com)



## CELLMASTER

### CELL CULTURE ROLLER BOTTLES

Roller bottles made of polystyrene or PET range in size from 850 cm<sup>2</sup> to 4250 cm<sup>2</sup> growth area and are available either with standard or filter screw caps. The filter membrane with a pore size of 0.2 µm guarantees optimal protection. It provides a high gas exchange rate which enables a mass cultivation of cells using e.g. bicarbonate buffer and CO<sub>2</sub>. The safety screw cap enables a tight closing and contamination-free cultivation. All roller

bottles are sterilised by irradiation according to validated procedures (ISO 11137). Endotoxin testing is conducted in accordance with USP 85 with a tolerance level of 0.03 EU/ml. The product range includes a short and a long form, that are labelled as **X** and **XL** accordingly. Both sizes are available with a smooth or radially ribbed surface. The ribbed design increases the growth area of the roller bottle without changing space requirements.

- / PS or PET roller bottles
- / Different sizes with or without radially ribbed surface
- / Graduations from 200 to 2000 ml
- / Seamless production technique rules out leaking seams



**Roller Bottles**  
**Polystyrene**

- / For adherent cell culture
- / Manufactured from crystal clear polystyrene
- / Certified USP Class VI end product testing
- / Lot number and expiry date on each bottle
- / Filter screw cap with 0.2 µm pore size

STERILE

FREE OF detectable DNase

FREE OF detectable human DNA

FREE OF detectable RNase

non-cytotoxic

non-pyrogenic

NEW

Ø: 122 mm, Graduation: yes, Raw material: PS, Surface treatment: TC

Item no.	Flask design	Height	Growth area	Cap colour	Surface	Total volume	Cap design	Sterile	Qty. inner / outer
680660	1 X	271 mm	850 cm <sup>2</sup>	● blue	smooth	2,520 ml	screw cap	+	2 / 24
680665	1 X	271 mm	850 cm <sup>2</sup>	● blue	smooth	2,520 ml	screw cap		24 / 24
680648	1 X	271 mm	850 cm <sup>2</sup>	● blue	smooth	2,520 ml	screw cap	+	24 / 48
680658	1 X	271 mm	850 cm <sup>2</sup>	● blue	smooth	2,520 ml	filter screw cap	+	2 / 24
680668	1 X	271 mm	850 cm <sup>2</sup>	● blue	smooth	2,520 ml	filter screw cap	+	24 / 24
680645	1 X	271 mm	850 cm <sup>2</sup>	● blue	smooth	2,520 ml	filter screw cap	+	24 / 48
681670	2.5 X	271 mm	2,125 cm <sup>2</sup>	● blue	ribbed	2,300 ml	screw cap	+	2 / 24
681675	2.5 X	271 mm	2,125 cm <sup>2</sup>	● blue	ribbed	2,300 ml	screw cap		24 / 24
681672	2.5 X	271 mm	2,125 cm <sup>2</sup>	● blue	ribbed	2,300 ml	filter screw cap	+	2 / 24
682660	1 XL	500 mm	1,700 cm <sup>2</sup>	● blue	smooth	4,970 ml	screw cap	+	1 / 12
682612	1 XL	500 mm	1,700 cm <sup>2</sup>	● blue	smooth	4,970 ml	screw cap		12 / 12
682624	1 XL	500 mm	1,700 cm <sup>2</sup>	● blue	smooth	4,970 ml	screw cap	+	12 / 24
682625	1 XL	500 mm	1,700 cm <sup>2</sup>	● blue	smooth	4,970 ml	filter screw cap	+	12 / 24
682615	1 XL	500 mm	1,700 cm <sup>2</sup>	● blue	smooth	4,970 ml	filter screw cap	+	12 / 12
682670	5 XL	500 mm	4,250 cm <sup>2</sup>	● blue	ribbed	4,640 ml	screw cap	+	1 / 12
682672	5 XL	500 mm	4,250 cm <sup>2</sup>	● blue	ribbed	4,640 ml	screw cap		12 / 24
682678	5 XL	500 mm	4,250 cm <sup>2</sup>	● blue	ribbed	4,640 ml	filter screw cap	+	1 / 12

- / Thread enables quick opening with a 2/3 turn. Screw caps with larger knurls for improved grip and ease of opening / closing.
- / Sterile, individually packed screw caps: standard (item no. 383361) and filter (item no. 383382).



**Roller Bottles**

**Polyethylene Terephthalate (PET)**

- / For adherent cell culture
- / Certified USP Class VI end product testing
- / With standard screw cap

STERILE	FREE OF detectable DNase	FREE OF detectable human DNA	FREE OF detectable RNase	non-cytotoxic	non-pyrogenic
NEW +					

Flask design: 1 X, Height: 271 mm, Ø: 116 mm, Growth area: 850 cm<sup>2</sup>, Graduation: yes, Raw material: PET, Surface: smooth, Total volume: 2,300 ml, Cap design: screw cap

Item no.	Cap colour	Sterile	Qty. inner / outer
680190	● blue	+	- /18
680195	● blue	+	- /30