

BIO BANKING



CELL FREEZING AND BANKING

**MACO BIOTECH
FREEZING – EVA BAGS**

DESCRIPTION

«Human tissues and cells for human application can save lives or restore essential functions»*

Nearly 20 years ago Maco Pharma developed medical devices dedicated to the long term storage of cells and tissues at very low temperatures.



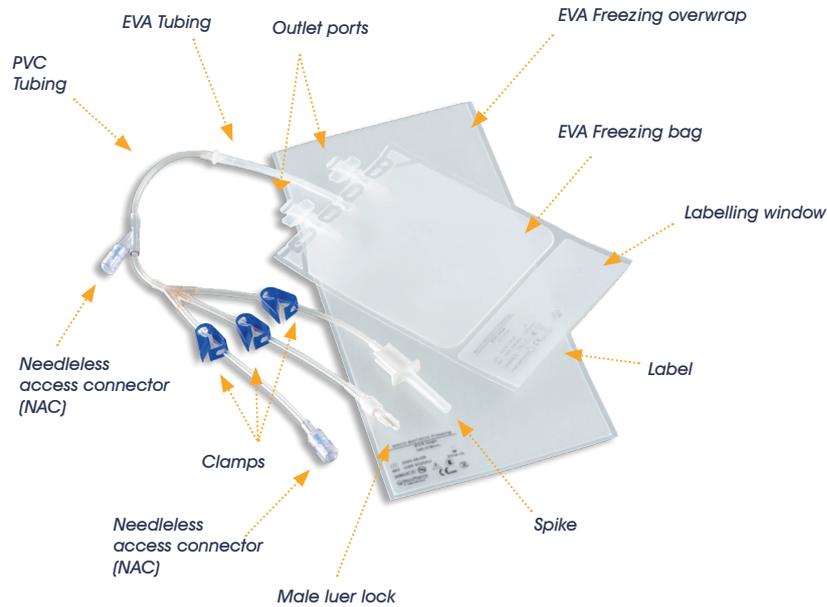
- EVA tubing is DMSO resistant
- Rounded corners to avoid cell trapping
- Long-term storage in liquid nitrogen

- All devices are sterile inside their peelable sachet
- Transparent material allows visual controls of the content of the bag
- Needleless Access Connectors ensure a secured manipulation of the product in a closed system
- Overwrap bags available to protect the freezing bag and its content

- Storage either in liquid or vapour phase of nitrogen
- Manifold tubing with multiple connections

TECHNICAL SPECIFICATIONS

MACO BIOTECH Freezing - EVA Bags are intended for the storage at very low temperature (down to -196°C) of cells.



EVA Bags for Cell Freezing

Reference	Recommended freezing volume (mL)	Nominal volume (mL)	Dimensions		Connections	Sterilisation	Packaging		Conditions of use	Shelf life
			Length (mm)*	Width (mm)						
GSR1000AU	10-25	90	230 ± 3	75 ± 2	1 spike 1 male luer lock 2 needleless access connectors 3 clamps 2 outlet ports**	Beta irradiation	1/ sachet	25/ box	Temperature of use: down to -196°C Temperature of thawing: +37°C	5 years
GSR2001AU	15-85	200	179 ± 3	130 ± 2						
GSR5001AU	30-140	410	224 ± 3	130 ± 2						
GSR7000AU	50-195	790	274 ± 3	150 ± 2						
GSR7001AU	40-160	520	256 ± 3	130 ± 2						
GSR8000AU	110-425	1710	431 ± 3	150 ± 2						
GSR8001AU	80-250	810	313 ± 3	130 ± 2						
GDR1000AK	10-25/bag 2 EVA bags	90/bag	230 ± 3 /bag	75 ± 2 /bag	3 female luer locks 1 injection site 2 clamps 1 outlet port per bag			15/ box		
GNR1000AU	10-25/bag 9 EVA bags				1 outlet port per bag 1 stopcock 14 clamps			20/ box		

* With the outlet ports

** Except GSR1000AU: 1 outlet port

EVA Overwraps

These references are intended to be used as a secondary packaging, to protect the freezing bags during the freezing and storage processes.

Reference	Dimensions		Compatible with	Sterilisation	Packaging		Conditions of use	Shelf life
	Length (mm)	Width (mm)						
GSR5020AU	318 ± 2	Int = 140 ± 2 Ext = 149 ± 2	GSR1000AU GSR2001AU GSR5001AU GSR7001AU	Beta irradiation	1/ sachet	50/ box	Temperature of use: down to -196°C Temperature of thawing: +37°C	5 years
GSR7010AU		Int = 153 ± 1 Ext = 162 ± 3	GSR2001AU GSR7000AU		1/ sachet	45/ box		



PHOTOPHERESIS



CELL CULTURE



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For more information please read the instructions for use. This health product is a class IIa medical device, which, under legislation, carries CE marking (notified body 0459). This document is for use exclusively by medical professionals. Maco Pharma is ISO13485 certified.