

Instruction manual

Product	Size	Catalog number
Cryo-SFM Plus	30 ml	C-29920
	125 ml	C-29922
Cryo-SFM Plus, phenol red-free	30 ml	C-29930
	125 ml	C-29932

Product description

Our Cryo-SFM Plus are defined, animal component-free, and protein-free cryopreservation media. The optimized formulation is based on methylcellulose, DMSO and other cryoprotectants. Cryo-SFM Plus and Cryo-SFM Plus, phenol red-free media provide excellent results with all types of cells including primary human cells, stem cells and cell lines. Cells frozen in Cryo-SFM Plus or Cryo-SFM Plus, phenol red-free exhibit superior viability, attachment, and subsequent growth performance after thawing.

Instruction of use

Detach adherent cells using the DetachKit (C-41200, C-41210, C-41220). Resuspend the cells in room temperature Cryo-SFM Plus

(C-29920/C-29922) or Cryo-SFM Plus, phenol red-free (C-29930/C-29932) at a concentration of 0.1–10 million cells/ml. Transfer the cell suspension into cryovials, freeze them gradually ($-1^{\circ}\text{C}/\text{minute}$) to -70°C or lower overnight and subsequently store the vials in liquid nitrogen.

Note: Each freeze/thaw cycle leads to a loss in proliferation potential and cell number, particularly when working with fragile primary cells. When freezing cells, use the lowest passage number possible.

Storage and stability

Store Cryo-SFM Plus and Cryo-SFM Plus, phenol red-free at 4 to 8°C in the dark immediately after arrival. If stored properly, the product is stable until the expiry date stated on the label.

Quality control

All lots of PromoCell Cryo-SFM Plus and Cryo-SFM Plus, phenol red-free are subjected to comprehensive quality control tests. Each lot is routinely tested for its performance with our primary Human Mesenchymal Stem Cells from Adipose Tissue (hMSC-AT).

In addition, all lots of Cryo-SFM Plus and Cryo-SFM Plus, phenol red-free have been tested for the absence of microbial contaminants (fungi and bacteria).

Intended use

The products are for *in vitro* research use only and not for diagnostic or therapeutic procedures. For safety precautions please see appropriate MSDS.

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