

**Human iPSC SFM Culture Medium, Xeno-Free (iPSC SFM, XF)**
**ORDER INFORMATION**

**Name of Products:** Human iPSC SFM Culture Medium, Xeno-Free (iPSC SFM, XF)  
**Catalogue Number:** **cAP-49**  
**Product Format:** 500ml (Frozen, -80C)

**General Information**

Human Pluripotent Stem Cell SFM culture medium, Xeno-Free (iPSC, SFM, XF) is a defined, xeno-free, serum-free complete medium optimized for feeder-free culture of human embryonic stem cells (hESC) and induced pluripotent stem cells (hiPSC). It is DMEM-F12 based, with the addition of 8 other key components. The medium ensures successful feeder-independent expansion of cells for at least 20 passages while maintaining normal morphology, pluripotency, and differentiation capability. The medium can also be used as a part of a feeder dependent culture system as desired.

**Direction for Use**

Handling Instructions for ready to use Pluripotent Stem Cell SFM XF:

1. Thaw Pluripotent Stem Cell SFM XF complete medium at 2C to 8C overnight. The thawed medium is stable for up to two weeks at 2C to 8C.
2. Warm medium for NOT MORE THAN 30 minutes in a 37C water bath prior to use.

Note: It is recommended to prepare single use aliquots of the medium to prevent repeated warming at 37C. If medium is not to be used within two weeks, it is acceptable to store aliquots at 20C.

**Quality Control Specifications**

Sterility tests are performed on each lot of medium using current USP methods. Each lot of medium is also tested for the ability to support the growth of cell lines using both sequential subcultures and plating efficiencies. pH, osmolality, and endotoxin tests are also performed as indicated below.

Test*	Specification
pH	6.70 to 7.30
Osmolality	280 to 320mOsm/kg H <sub>2</sub> O
Sterility Testing	Pass
Endotoxin	≤ 1.0 EU/mL
Functional Stem Cell Culture	Maintains pluripotency on hiPSCs as determined by expression of pluripotent marker

**Angio-Proteomie Warranty**

The viability of Angio-Proteomie's Cells and Cell-Related Products are warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet.

**Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans. While Angio-Proteomie uses reasonable efforts to include accurate and up-to-date information on this product sheet, Angio-Proteomie makes no warranties or representations as to its accuracy.

**Related products**

iPSC Coating Solution	cAP-50	100ml	Angio-Proteomie
iPSC Non-Enzymatic Dissociation Solution	cAP-51	50ml	Angio-Proteomie
ROCK Inhibitor Solution (500 X)	cAP-52	1 ml	Angio-Proteomie
iPSC Freezing Medium	cAP-53	50ml	Angio-Proteomie
ITS (100x)	cAP-26	10ml	Angio-Proteomie
L-Glutamine-MAXIMUM (100x)	cAP-27	100ml	Angio-Proteomie
Human Plasma Fibronectin Solution	cAP-42	1mg/ml	Angio-Proteomie

**Caution: Handling human and animal tissue derived products is potentially bio-hazardous. Although each cell strain is tested negative for HIV, HBV and HCV DNA, diagnostic tests are not necessarily 100% accurate; therefore, proper precautions must be taken to avoid inadvertent exposure. Always wear gloves and safety glasses when working these materials. Never mouth pipette. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.**