ANGIO-PROTEOMIE

DATA SHEET

Cell Freezing Medium (NON-FBS)

ORDERING INFORMATION

Product Name:	Cell Freezing Medium (NON-FBS)
Catalogue Number:	**cAP-22B**
Size:	50ml
Storage:	< -20 °C for long term storage / keep at 2 - 8°C after thawed

Intended Use: Cell Freezing Medium (**NON-FBS, cAP-22B**) is used for cryopreservation of cells in which FBS are not allowed

Features: Formulated with **NON-FBS serum replacement** containing 10% DMSO

Shelf life: -20°C for 12 month

Protocols for Freezing Cells:

For optimum results, cells should be in log phase of growth. Similar protocols may be substituted.
1. Thaw Cell Freezing Medium (**NON-FBS, cAP-22B**) first and mix well and store at 2° to 8°C until use.
2. Determine the desired viable cell density and calculate the required volume of Cell Freezing Medium (**NON-FBS, cAP-22B**) needed.
3. For adherent cells, gently detach cells from the substrate on which they are growing. Re-Suspend cells in the same full medium used for culturing the cells.
4. Centrifuge cell suspension at approximately 100 to 200 x g for 5 to 10 minutes (Note: Centrifugation speed and duration may vary depending on cell type). Aseptically decant supernatant without disturbing the cell pellet.
5. Re-suspend the pellet in (2° to 8°C) chilled Cell Freezing Medium (**NON-FBS, cAP-22B**) at recommended viable cell density for specific cell type (0.5-1.0x 10^6 cell/ml).
6. Dispense aliquots (1.0ml in general) of this suspension into cryogenic storage vials (1.0 to 2.0-mL cryovials).
7. Leave the cryovials in a -80°C freezer for overnight (can store in the freezer for short-term storage) and then transfer the cryovials into a liquid nitrogen tank for long-term storage.

Protocols for Cell Recovery:

1. Remove cells from cryopreservation storage and rapidly thaw (< 1 minute) frozen vial in a 37 °C water bath.
2. Slowly dilute frozen cells with desired amount of complete growth medium by swirling and mixing.
3. Centrifuge cell suspension at approximately 100 to 200 x g for 5 to 10 minutes. (Note: Centrifugation speed and duration - may vary depending on cell type).
4. After centrifugation, check clarity of supernatant and visibility of a complete pellet. Aseptically decant supernatant without disturbing the cell pellet.
5. Gently re-suspend cells in the complete full growth medium, and transfer the cells into appropriate growth vessel and into the recommended culture environment.

Quality Control:

Cell Freezing Medium is performance tested on HUVECs cells. Additional standard evaluations are endotoxin, pH, osmolality and tests for the absence of bacterial and fungal contaminants. Appropriate raw component(s) of this medium were screened for mycoplasma and viruses, as identified in the US Code of Federal Regulations Title 9. Part 113.28 and 113.47.

Related Products

Quick Coating Solution	**cAP-01**	240ml	Angio-Proteomie
Cell Freezing Solution (FBS)	**cAP-22**	50ml	Angio-Proteomie
Cell Freezing Solution (Non-FBS)	**cAP-22B**	50ml	Angio-Proteomie
HBSS w/o Ca^{2+} , Mg^{2+}	**cAP-11**	100ml	Angio-Proteomie
Trypsin/EDTA Solution	**cAP-23**	100ml	Angio-Proteomie
Trypsin Neutralization Solution	**cAP-28**	100ml	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
Bovine Type I Collagen Solution	**cAP-17**	100mg	Angio-Proteomie

THESE PRODUCTS ARE FOR RESEARCH USE ONLY

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, or pathogens, 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 with these materials. Never mouth pipette. We recommend following the universal procedures for handling products of human origin as the minimum precaution against contamination.

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