

Cell Freezing Mix (FCS / DMSO)

Cat. No.	Pack Size
MTE0354	50 ml

For *in vitro* use only

Reagent Composition:

- 10% DMSO (dimethylsulphoxide)
- 90% Fetal Calf Serum

Applications:

Cryopreservation of mammalian cells.

Description:

Cryopreservation is a procedure to stabilise cells at cryogenic temperatures for long-term storage in liquid nitrogen. During the freezing process, the usage of cryoprotective additives protects fragile membranes and organelles of the cells by minimizing the damage associated with ice crystal formation. Classical cryopreservation media contain DMSO with stabilisers such as Fetal Calf Serum.

- The **Cell Freezing Mix** solution should be added to the cell pellet, not exceeding 10×10^6 cells/ml. This is toxic to cells. Once added, rapidly transfer to a -80°C freezer.
- Cells can be stored at a min. temperature of -80°C , but for long term storage the cells should be stored in ultra-low temperature freezers (-150°C) or in liquid nitrogen (-196°C).
- The **Cell Freezing Mix** is toxic to cells. Once added, rapidly transfer cells to a -80°C freezer.

pH: 7.0 – 7.6

Storage: -20°C for frequent use, this product can be stored at $+2^\circ\text{C}$ to $+8^\circ\text{C}$ for up to one month.

Cell culture: Tested

Sterility: Tested

Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

Some applications this product is used in may require a license, which is not provided by the purchase of this product. Users should obtain the license if required.

Related products:

Cat. No.	Product	Pack Size
MTE0347	IMDM, (wo L-Glutamine, w 25mM HEPES, wo sodium hydrogen pyruvate)	500 ml
MTE0348	DMEM, (w 4,5g/L Glucose,wo L-Glutamine, wo sodium pyruvate, wo sodium hydrogen pyruvate)	500 ml
MTE0349	Ham's F12, (w L-Glutamine, wo sodium hydrogen pyruvate)	500 ml
MTE0350	Glasgow-MEM, (w L-Glutamine, wo Tryptose/Phosphate-Boullion, wo sodium hydrogen pyruvate)	500 ml
MTE0352	Penicillin/Streptomycin (10000IU/10000 ug/ml,100x)	100 ml
MTE0353	L-Glutamine 200mM	100 ml
MTE0355	NEA (Non-essential amino acids)	100 ml
MTE0356	Sodium Pyruvate 100mM	100 ml
MTE0357	1X PBS (without Ca^{+2} , Mg^{+2})	500 ml
MTE0358	Trypsin/EDTA (0.05% / 0.02% in PBS)	100 ml