CryoStor® CS10

Animal Component-Free, Defined Cryopreservation Medium

Catalog #	07942	6 x 10 mL Syringes
	07931	5 x 16 mL
	07930	100 mL
	07940	1000 mL

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FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.

Product Description

CryoStor® CS10 is a uniquely formulated, serum-free, animal component-free and defined cryopreservation medium containing 10% dimethyl sulfoxide (DMSO). Designed to preserve cells in low temperature environments (-80°C to -196°C), CryoStor® CS10 provides a safe, protective environment for cells and tissues during the freezing, storage, and thawing processes. CryoStor® CS10 is recommended for the cryopreservation of hepatocytes, tissue samples, human peripheral blood, human mesenchymal stem cells, human embryonic stem (ES) and induced pluripotent stem (iPS) cells and other extremely sensitive cell types.

- Ready-to-use
- Serum-free, protein-free
- Animal component-free
- cGMP manufactured with USP grade / highest quality components
- FDA master file
- Sterility, endotoxin, and cell-based quality control testing

Properties

Storage: Store at 2 - 8°C

Shelf Life: Stable until the expiry date on the label. Product should be protected from prolonged exposure to light.

Contains: 10% dimethyl sulfoxide (DMSO)

This product contains potentially hazardous material. Please refer to the Safety Data Sheet (SDS).

Product may be shipped at room temperature (15 - 25°C) and should be refrigerated upon receipt.

Handling / Directions For Use

FREEZING

1. Wipe down the outside of the cryopreservation media container with 70% ethanol or isopropanol before opening.
2. Obtain a cell suspension using a cell specific protocol and centrifuge cells to obtain a cell pellet.
3. Carefully remove the supernatant with a pipette, leaving a small amount of medium to ensure the cell pellet is not disturbed. Resuspend the cell pellet by gently flicking the tube.
4. Add cold (2 - 8°C) cryopreservation medium, mix thoroughly and transfer the suspension to a cryovial.
5. Freeze cells using a standard slow rate-controlled cooling protocol (approximately -1°C/minute) or an isopropanol freezing container and store at liquid nitrogen temperature (-135°C).
   NOTE: Long-term storage at -80°C is not recommended.

THAWING

1. Warm medium of choice in a 37°C water bath.
2. Wipe the outside of the vial of cells with 70% ethanol or isopropanol.
3. In a biosafety hood, twist the cap a quarter-turn to relieve internal pressure and then retighten.
4. Quickly thaw cells in a 37°C water bath by gently shaking the vial. Remove the vial when a small frozen cell pellet remains. Do not vortex cells.
5. Wipe the outside of the vial with 70% ethanol or isopropanol.
6. Dilute in warmed medium of choice at a ratio of 1 part sample in 10 parts medium.
7. Centrifuge the cell suspension at 300 x g for 10 minutes at room temperature (15 - 25°C).
8. Carefully remove the supernatant with a pipette, leaving a small amount of medium to ensure the cell pellet is not disturbed. Resuspend the cell pellet by gently flicking the tube.
9. Gently add medium to the tube.
10. Centrifuge the cell suspension at 300 x g for 10 minutes at room temperature (15 - 25°C).
11. Carefully remove the supernatant with a pipette, leaving a small amount of medium to ensure the cell pellet is not disturbed. Resuspend the cell pellet by gently flicking the tube.

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