CryoStor® CS5

Animal Component-Free, Defined Cryopreservation Medium

Catalog # 07933 100 mL

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Product Description

CryoStor® CS5 is a uniquely formulated, serum-free, animal component-free and defined cryopreservation medium containing 5% dimethyl sulfoxide (DMSO). Designed to preserve cells in low temperature environments (-80°C to -196°C), CryoStor® CS5 provides a safe, protective environment for cells and tissues during the freezing, storage, and thawing processes.

- 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 may be shipped at room temperature (15 - 25°C) and should be refrigerated upon receipt. Product should be protected from prolonged exposure to light.

Contains: 5% dimethyl sulfoxide (DMSO)

This product contains potentially hazardous material. Please refer to Material Safety Data Sheet (MSDS).

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.