

# CryoStor® CS10

**Animal component-free, defined cryopreservation medium with 10% DMSO**

Catalog #	07942	6 x 10 mL Syringes
	07959	5 x 10 mL
	07931	5 x 16 mL
	07930	100 mL
	07956	100 mL Immunology
	07955	100 mL Bag
	07940	1000 mL Bag



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## 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, CHO cells, myeloma cell lines, hybridomas, 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

## Product Information

PRODUCT NAME	CATALOG #	SIZE	STORAGE	SHELF LIFE	CONTAINS
CryoStor® CS10 Syringe Bundle	07942	6 x 10 mL Syringes	Store at 2 - 8°C.	Stable for 24 months from date of manufacture (MFG) on label. Protect from prolonged exposure to light.	10% DMSO
CryoStor® CS10	07959	5 x 10 mL	Store at 2 - 8°C.	Stable until expiry date (EXP) on label. Protect from prolonged exposure to light.	10% DMSO
CryoStor® CS10	07931	5 x 16 mL	Store at 2 - 8°C.	Stable until expiry date (EXP) on label. Protect from prolonged exposure to light.	10% DMSO
CryoStor® CS10	07930	100 mL	Store at 2 - 8°C.	Stable until expiry date (EXP) on label. Protect from prolonged exposure to light.	10% DMSO
CryoStor® CS10	07956	100 mL Immunology	Store at 2 - 8°C.	Stable until expiry date (EXP) on label. Protect from prolonged exposure to light.	10% DMSO
CryoStor® CS10	07955	100 mL Bag	Store at 2 - 8°C.	Stable for 24 months from date of manufacture (MFG) on label. Protect from prolonged exposure to light.	10% DMSO
CryoStor® CS10	07940	1000 mL Bag	Store at 2 - 8°C.	Stable for 24 months from date of manufacture (MFG) on label. Protect from prolonged exposure to light.	10% DMSO

Please refer to the Safety Data Sheet (SDS) for hazard information.

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 CryoStor® CS10 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) CryoStor® CS10, 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. Do not submerge the vial. Remove the vial when only 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. Repeat steps 7 and 8.

THIS PRODUCT IS MANUFACTURED UNDER A cGMP QUALITY MANAGEMENT SYSTEM COMPLIANT TO 21 CFR 820.

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