

# CryoStor™CS10

## Animal Protein-Free, Defined Cryopreservation Medium

### PRODUCT DESCRIPTION

CryoStor™CS10 (Catalog #07930) is a uniquely formulated, serum-free, animal protein-free and defined cryopreservation medium containing 10% dimethyl sulfoxide (DMSO). Designed to prepare and preserve cells in ultra 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 process. CryoStor™CS10 is recommended for the cryopreservation of hepatocytes, tissue samples, human peripheral blood, human mesenchymal stem cells, human embryonic and human induced pluripotent stem cells (hESCs and hiPSCs) and other extremely sensitive cell types. CryoStor™CS10 is cGMP manufactured with USPgrade/Highest Quality Components.

### STABILITY AND STORAGE

CryoStor™CS10 is stable at 2 - 8°C until the expiry date indicated on the label. CryoStor™CS10 should be stored dry and protected from light until ready for use.

### DIRECTIONS FOR USE

1. CryoStor™CS10 (Catalog #07930) is ready to use and contains cryoprotectant agents.

*Note: Wipe down outside of bottle with 70% ethanol before opening.*

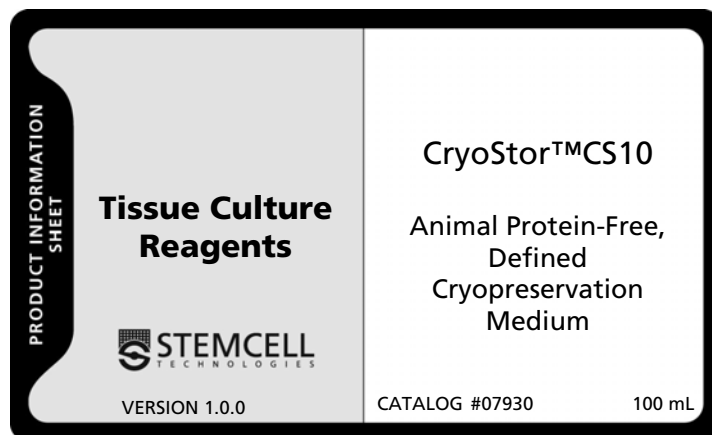
2. Obtain cell suspension using cell specific protocol and centrifuge cells appropriately to obtain a cell pellet.
3. Completely replace culture medium with cold (2 - 8°C) CryoStor™CS10 and transfer the suspension to a cryovial.
4. Freeze cells using a standard slow rate controlled cooling protocol (approximately -1°C/min) and store at LN<sub>2</sub> temperature (-135°C). -80°C is not recommended for long-term storage.

*Alternatively, cells can be frozen using an isopropanol freezing vessel and a multi-step protocol: -20°C for 2 hours, followed by -80°C for 2 hours, followed by storage at LN<sub>2</sub> temperature (-135°C).*

5. Thaw cells quickly in a 37°C water bath until visible ice melts. Dilute in cell culture medium of choice (1:10 sample to medium ratio). Plate cells immediately according to desired protocol.

*If a smaller volume is required, centrifuge the cells appropriately and resuspend the cells in a volume of culture medium appropriate for the desired plating vessel.*

**Warning - Hazardous Ingredient: DMSO.** Avoid contact with DMSO solutions containing toxic materials or materials with unknown toxicological properties. DMSO is readily absorbed through the skin and may carry such materials into the body. Wash exposed skin with soap and water. Flush eyes with water. For more information, refer to the MSDS.



### RELATED PRODUCTS

PRODUCT	CATALOG #
AggreWell™400 plates for the reproducible formation of uniformly sized embryoid bodies	27845/27945
Y-27632	07171/07172
mTeSR®1 Maintenance Medium for hESCs & hiPSCs	05850/05870
TeSR™2 Animal Protein-Free Maintenance Medium for hESCs & hiPSCs	05860/05880
Anti-Oct 3/4 antibody	01550/01551
Anti-SSEA-1 antibody	01552
Anti-SSEA-3 antibody	01553
Anti-SSEA-4 antibody	01554
Anti-TRA-1-60 antibody	01555
Anti-TRA-1-81 antibody	01556
Anti-TRA-2-49 antibody	01557
Anti-TRA-2-54 antibody	01558
FITC-conjugated goat anti-mouse IgG	10210
FITC-conjugated goat anti-mouse IgM	10211
APC-conjugated goat anti-rat IgM	10215
mFreSR® defined cryopreservation medium for hESCs and hiPSCs	05855/05854
ACCUTASE®	07920
Dispase (1 mg/mL)	07923



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SEPTEMBER 2009

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