

# CryoStor® CSB

Freeze media

- ✓ Pre-Formulated
- ✓ Serum-Free
- ✓ Protein-Free
- ✓ USP/Multi-Compendial/  
High Quality Components
- ✓ cGMP Manufactured
- ✓ Sterility, Endotoxin, and  
Cell-Based Release Testing
- ✓ DMSO-Free



## BEST-IN-CLASS BIOPRESERVATION MEDIA FOR CELLS AND TISSUES

**CryoStor®** CSB is the intracellular-like base formulation for our series of cell-specific, optimized CryoStor® preservation media. It is uniquely formulated to address the molecular-biological aspects of cells during the cryopreservation process. This enables a reduction in the level of cryopreservation-induced Delayed-Onset Cell Death and improvement in post-thaw cell viability and function.

### ORDERING INFORMATION

Product Name	Size	Part #
CryoStor® CSB	500mL bottle	200104
CryoStor® CSB	100mL bottle	200102
CryoStor® CSB	1000mL bag	200210

### RELATED PRODUCTS

CryoStor® CS2, CS5, CS10

Please visit our website for ordering information.

## To Order

**Call:** 1.866.424.6543 | **Fax:** 425.402.1433

**Sales:** salesone@BioLifeSolutions.com

**Web:** BioLifeSolutions.com

**Technical Support:** info@BioLifeSolutions.com

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 **BioLife SOLUTIONS®**  
BIOPRESERVATION TOOLS FOR CELLS, TISSUES, AND ORGANS

## Usage and Cryopreservation Protocol

- CryoStor® products ship at ambient temperature. Upon receipt, store at 2°-8°C, dry and protected from light, until ready to use.
- Wipe down all surfaces of the container, including cap, with 70% ethanol before opening.
- Contents are sterile. If seal has been broken, do not use and contact BioLife Solutions®.
- Simply replace the culture media within your cryopreservation protocol with the correct amount of cold (2°-8°C) CryoStor® CSB and cryoprotectant to achieve the final desired concentration of cryoprotectant. Freeze cells following a standard slow rate controlled cooling protocol (approximately -1°C/min) and store at LN<sub>2</sub> temperature.
- Alternatively, cells can be frozen using a stepwise freezing protocol followed by storage in LN<sub>2</sub>.

The stepwise freezing protocol may be:

-20°C for 2 hours followed by -80°C for 2 hours, and subsequently in LN<sub>2</sub>.

-80°C for 3-4 hours in an isopropanol freezing container, and subsequently in LN<sub>2</sub>.

- Following cryopreservation storage, rapidly warm samples with gentle shaking in a 37°C water bath until all visible ice melts, then immediately dilute in cell culture medium, and plate per your standard protocol.
- Further protocol support is available at [info@BioLifeSolutions.com](mailto:info@BioLifeSolutions.com) or through our **Ask the Scientists** page at [BioLifeSolutions.com](https://www.BioLifeSolutions.com).

Materials are manufactured under cGMP

Test methods and criteria are provided on all lot specific Certificates of Analysis and Release.