

The CryoStor™ Series of Cryopreservation Solutions

CryoStor™ CS-5

CryoStor™ is a series of cell-specific, optimized preservation media that allows you to focus on your post-preservation (storage) studies. CryoStor™, a member of BioLife's HypoThermosol[®] platform, is uniquely formulated to address the molecular-biological aspects of cells during the cryopreservation process thereby directly reducing the level of *Cryopreservation-Induced Delayed-Onset Cell Death* and improving post-thaw cell viability and function.

CryoStor™ CS-5 is a uniquely formulated cryopreservation medium containing 5% dimethyl sulfoxide (DMSO). CryoStor™ has been shown to significantly improve cell viability and function following cryopreservation in comparison to traditional culture media + serum + DMSO approaches. CryoStor™ CS-5 has been evaluated in numerous mammalian systems including human hepatic, renal, dermal, and cardiovascular cell systems by both BioLife and independently validated by many of our clients. In addition to improving overall cell survival and function, CryoStor™ CS-5 also provides the advantage of being a completely defined serum- and protein-free cryopreservation medium.

Instructions for Use:

- Store CryoStor™ CS-5 at 2-8°C, dry and protected from light until ready to use.
- Wipe down outside of container with 70% ethanol before opening.
- Contents are sterile. If seal has been broken, do not use and contact BioLife Solutions.
- CryoStor™ CS-5 is ready to use and contains cryoprotectant agents.
- Simply replace culture media with cold (2-8°C) CryoStor™ CS-5 in the cryopreservation protocol and freeze cells following a standard slow rate controlled cooling protocol (approximately -1°C/min) and store at LN₂ temperature.

Alternatively, cells can be frozen using a two-step freezing protocol (-20°C for 2 hours followed by -80°C for 2 hours) followed by storage in LN₂.

- Following cryopreservation storage, rapidly warm samples with gentle shaking in a 37°C water bath until all visible ice melts, then dilute in cell culture medium, and plate as usual.

Availability:

<u>Size</u>	<u>Catalog No.</u>
50 ml bottle	610201
100 ml bottle	610202

* Please contact a BioLife Sales Representative for current pricing

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