

# Best-in-class optimized biopreservation media for cells and tissues

- Pre-Formulated
- Serum-Free
- Protein-Free
- USP/Highest Quality Components
- cGMP Manufactured
- FDA Master File
- Sterility, Endotoxin, and Cell-Based Release Testing



**HypoThermosol® FRS (HTS-FRS)** is an optimized hypothermic (2°-8°C) preservation media that enables improved and extended preservation of cells, tissues and organs. HTS-FRS is uniquely formulated to address the molecular-biological response of cells during the hypothermic preservation process. HTS-FRS includes key ions at concentrations that balance the intracellular state at hypothermic temperatures. Additional components include pH buffers, energy substrates, free radical scavengers, and osmotic/oncotic stabilizers.

#### Glossary of label symbols:

<b>REF</b> Order Number	<b>LOT</b> Number Batch Code	<b>STERILE A</b> Aseptic Processing Technique
<b>Exp. Date</b>	<b>2°C / 8°C</b> Temperature	<b>Manufactured by</b>

## Ordering Information

Product Name	Size	Part #
HypoThermosol® FRS	10mL vial	101373
HypoThermosol® FRS	100mL bottle	101102
HypoThermosol® FRS	500mL bottle	101104
HypoThermosol® FRS	500mL bag	101204

## Related Products

CryoStor® CS2, CS5, CS10  
Please visit website for ordering information.

## To Order

**Call:** +1.866.424.6543 | **Fax:** 1.425.402.1433

**Sales:** SalesOne@BioLifeSolutions.com

**Web:** BioLifeSolutions.com

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

# HypoThermosol® FRS Hypothermic Storage and Shipping Media Usage and Cryopreservation Protocol

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- HypoThermosol® FRS ships at ambient temperature.
- Upon receipt, store HypoThermosol FRS at 2°-8°C, 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.
- HypoThermosol® FRS is ready to use.
- Simply replace culture medium with chilled (<10°C) HypoThermosol® FRS and maintain at 2-8°C. HypoThermosol® FRS is not designed as a cell culture medium and should not be used above 15°C or warmed to 37°C.
- At the end of the cold storage period, simply remove samples from the cold, decant the cold HypoThermosol® FRS and replace with warm (20°-37°C) culture medium of choice.

Further protocol support is available at [info@BioLifeSolutions.com](mailto:info@BioLifeSolutions.com).

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**Materials are manufactured under cGMP.**

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

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3303 Monte Villa Parkway  
Suite 310  
Bothell, WA 98021 USA  
T +1.866.424.6543 / 425.402.1400  
F +1.425.402.1433  
E [info@biolifesolutions.com](mailto:info@biolifesolutions.com)  
**BioLifeSolutions.com**

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Cell Processing Solutions

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