

How to Remove HypoThermosol® from Fresh Cells

Upon receiving your cells, IMMEDIATELY remove the HypoThermosol® biopreservation media. HypoThermosol® is a novel, engineered, optimized hypothermic storage and shipping media product. It is serum-free and protein-free and is designed to provide maximum storage and shipping stability for biologics at 2-8°C. HemaCare is not responsible for any cell loss due to ensuing processing, or improper storage or handling.

Materials Needed

- Sterile conical centrifuge tubes, 15mL or 50mL
- Washing buffer, i.e.:
 - PBS + 2% serum
 - RPMI + 2% serum

Protocol

Note: Since the cells are shipped on ice, it is important that the washing steps are done with cold buffers and washing steps are performed on ice.

1. Prepare a conical tube with 10 times the volume of the cell suspension of cold wash buffer.
2. Gently pipet cells in HypoThermosol® repeatedly to suspend.
3. Transfer resuspended cells to conical tube with wash buffer.
4. Wash the shipping vial with clean wash buffer and gently pipet, as some cells may stick to the wall of the vial. Add to cell suspension in conical tube.
5. Spin at 350-400 x g for 15 minutes at 4°C.
6. Remove supernatant and resuspend cells in media of choice.

Notes:

- Always wear personal protective equipment and use universal precaution when working with human-derived biological materials and liquid nitrogen.

HypoThermosol® FRS

Hypothermic storage and shipping media

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 is an optimized hypothermic (2-8°C) preservation media that enables improved and extended preservation of cells, tissues and organs. HypoThermosol® FRS is uniquely formulated to address the molecular-biological response of cells during the hypothermic preservation process. HypoThermosol® FRS includes key ions at concentrations that balance the intracellular state at hypothermic temperatures.

Need to order HypoThermosol?

Contact your business development executive or HemaCare at (877) 397-3087 or bioresearchproducts@hemacare.com.

Do you need freezing media?

Order CryoStor! Contact us for more information or visit www.hemacare.com to see the facts!

Tips & Tricks

1. If you are ready to use your cells, the best way to treat them at room temperature is to put them into media with a protein component, like serum. At ambient or warm temperatures, the cells are usually in isotonic media like PBS or other culture media.
2. The washing buffer should be isotonic to the cells, eg saline or PBS.
3. Choice of cell media depends on the cell type, intended use, and storage, if necessary (not recommended as primary cells are quite fragile).



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