

# BloodStor® 55-5

Optimized biopreservation reagent for hematopoietic cells and tissues

Catalog # 07937 16 x 7.2 mL



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## Product Description

BloodStor® is a series of generic cGMP freezing media products used to cryopreserve stem cells and other cells isolated from umbilical cord blood, peripheral blood, bone marrow, and other biologics. BloodStor® 55-5 is pre-formulated with 55% dimethyl sulfoxide (DMSO) USP, 5% Dextran-40 USP, and water for injection (WFI)-quality water.

- Ready-to-use
- Animal component-free
- Sterile, USP vial
- cGMP manufactured with USP grade/high-quality components
- Sterility, endotoxin, and cell-based quality control testing

## Properties:

**Storage:** Store at 2 - 8°C.

**Shelf Life:** Stable until expiry date (EXP) on label. Protect from prolonged exposure to light.

**Contains:** 55% DMSO and 5% Dextran-40

Please refer to the Safety Data Sheet (SDS) for hazard information.

Product may be shipped at room temperature (15 - 25°C) and should be refrigerated upon receipt.

## Directions for Use

### CRYOPRESERVING CELLS

1. Wipe down the outside of the BloodStor® 55-5 container with 70% ethanol or isopropanol before opening.
2. Obtain a cell suspension using a red cell depletion or reduction protocol.
3. Add BloodStor® 55-5 at a ratio of 1 part BloodStor® 55-5 to 5 parts sample (e.g. 2 mL BloodStor® 55-5 to 10 mL sample).
4. Mix thoroughly and transfer the suspension to a cryovial.
5. Cryopreserve cells using a standard slow rate-controlled cooling protocol (approximately -1°C/minute) or an isopropanol freezing container and store at liquid nitrogen temperature (-135°C).

NOTE: Long-term storage at -80°C is not recommended.

### THAWING CELLS

1. Quickly thaw cells in a 37°C water bath by gently shaking the vial. Do not submerge the vial. Remove the vial when only a small frozen cell pellet remains. Do not vortex cells.
2. Wipe the outside of the vial with 70% ethanol or isopropanol.
3. Dilute in culture medium of choice at a ratio of 1 part sample in 10 parts medium.
4. 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.

BLOODSTOR PRODUCTS ARE QUALITY TESTED AGAINST ROBUST RELEASE CRITERIA; INCLUDING USP <71> STERILITY AND USP <85> ENDOTOXIN TESTING STANDARDS, AND ARE MANUFACTURED UNDER CGMP.

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