

Serum Free-Cell Freezing Medium
(SF-CFM)
Catalog #0143

Product Description

Serum Free-Cell Freezing Medium (SF-CFM) is specifically designed for the cryopreservation of human and animal neurons *in vitro*. It is sterile and has a pH of 7.2 at room temperature. This product contains DMSO and other intra- and extra-cellular protectants to further increase the viability of neurons during the cryopreservation process.

Product Use

SF-CFM is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Storage

Store SF-CFM at -20°C. Once thawed, the product may be stored at 4°C for up to one month.

Shipping

Dry ice.

Procedure

Cryopreservation may compromise cell quality and performance. Performance of the cells cannot be guaranteed after cryopreservation.

- 1) Harvest and centrifuge cells at 1000 rpm for 5 minutes.
- 2) Resuspend cells in cold SF-CFM at a density of ~500,000 to 2,000,000 cells/ml. Work quickly; once exposed to DMSO, cells become very fragile.
- 3) Pipette 1 ml into each freezing vial and tighten the cap.
- 4) Place the cells (vials) in a Styrofoam® or propanol freezing canister and store them at -80°C overnight.
- 5) Within 12-24 hours, transfer the cells into LN₂ freezer for long-term storage. Cells will be compromised by prolonged storage at -80°C.

Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.