



## Cell Freezing Medium (CFM)

Catalog Number: 0133

### Product Description

CFM is a sterile, modified MCDB 131 medium based cell freezing medium. It is a cost effective alternative to making your own cryopreservation medium. CFM consists 10% fetal bovine serum, 10% DMSO, 10 mM HEPES in modified MCDB 131 medium. This product has a pH of 7.2 at room temperature.

### Product Use

CFM is used to cryopreserve most mammalian cells. *It is for research use only. Not for use in animals, humans, or diagnostic procedures.*

### Storage

Store the 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. These instructions do not apply to ScienCell Research Laboratories' neural cells or oligodendrocyte precursor cells.

- 1) Harvest cells and spin them down.
- 2) Resuspend cells in cold CFM at a density of ~500,000 to 2,000,000 cells/ml. Work quickly; once exposed to DMSO, cells become very fragile.
- 3) Pipet 1 ml into each freezing vial and properly tight on 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 LN<sub>2</sub> 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.*