TransStem™ Chemically Defined Xeno-free Cell Cryopreservation Medium

Cat. No. MC101

Storage: at -20°C for one year, avoid repeated freeze-thawing.

Description

TransStem™ Chemically Defined Xeno-free Cell Cryopreservation Medium is a ready-to-use, chemically defined, animal component-free cryopreservation medium containing 10% dimethylsulfoxide (DMSO). It is intended for freezing and storing a variety of cell types, including human pluripotent stem cells, neural stem cells, mesenchymal stem cells, epithelial cells and fibroblasts. This cryopreservation medium demonstrates consistently high cell viability and efficient recovery.

Kit Contents

Component	MC101-01
TransStem™ Chemically Defined Xeno-free Cell Cryopreservation Medium	20 ml

Procedures

1. Detach cells according to conventional protocol for passaging cells to obtain the cell pellet.
2. Add pre-chilled (2-8°C) *TransStem*™ Chemically Defined Xeno-free Cell Cryopreservation Medium to resuspend the cell pellet and aliquot the cell suspension into cryogenic vials.
3. Place the cryogenic vials into a controlled rate freezer and incubate at -80°C overnight. Transfer frozen cells to liquid nitrogen the next day.

Note

- Do not repeatedly freeze and thaw *TransStem*™ Chemically Defined Xeno-free Cell Cryopreservation Medium. Separate the cryopreservation medium into single-use aliquots for storage before use.
- Thaw *TransStem*™ Chemically Defined Xeno-free Cell Cryopreservation Medium at 2-8°C or room temperature.
- To improve recovery efficiency of human pluripotent stem cells (hPSCs), add Y-27632 (Cat. MS101, the final concentration is 10 μM) to culture medium within 24 hours after cell recovery.

FOR RESEARCH USE ONLY