

## OriCell Human Embryonic Stem Cell Cryopreservation Medium

Catalog No. HUXES-07031

### Product Description:

OriCell Human Embryonic Stem Cell Cryopreservation Medium is a serum-containing cell freezing medium of Human Embryonic Stem Cells.

The product is intended for laboratory research use only, and not for clinical and house hold applications, or other uses.

### Features

- Special for Human Embryonic Stem Cell
- Prepare in Basal Medium of cells (DMEM)
- Formulated with Cell-Qualified Fetal Bovine Serum
- Formulated with DMSO(10%)

### Packing

50 mL/ Bottle

20 mL/ Bottle

### Instructions:

#### Cryopreservation

1. Select the cells in logarithmic growth phase according to the methods used to collect cells in vitro. Perform a cell count to determine the viable cell density.
2. Centrifuge the cells for 3-5minutes at 250g, 20°C. Remove the supernatant using a pipette.
3. Resuspend the precipitate with Cryopreservation Medium at the cell density of  $10^5$ - $10^6$  cells/mL.
4. Dispense aliquots of the cell suspension into cryogenic storage vials that are properly labeled.
5. Place the vials in a programmed controlled rate freezing apparatus and make sure the cooling rate of 1°C/min.
6. Transfer the frozen vials to liquid nitrogen for preservation after 24 hours.

## Thawing

1. Remove the cryovial of frozen cells from storage and quickly thaw the vial in 37°C water bath.
2. Gently dilute and mix the cells with 8mL-10mL of cell culture medium.
3. Centrifuge the cells for 3-5minutes at 250g, 20°C.
4. Carefully aspirate as much of the supernatant as possible and add 2-3mL of cell culture medium to resuspend the cells.
5. Transfer the cells into appropriate growth vessel and incubate at 37°C in a 5% CO<sub>2</sub> humidified incubator.

## Stability/Storage:

Store at 2-8°C. The product is stable at 2-8°C for up to 1 year. The product should be discarded beyond the labeled expiration date.

For optimal performance, repeated warming/cooling and freeze-thawing should be avoided.

## Quality Control:

Human Embryonic Stem Cell Cryopreservation Medium is performance tested on Human Embryonic Stem Cell.

Standard evaluation includes:

1. Sterility test (bacteria, fungi, mold and mycoplasma)
2. pH test
3. Osmolality
4. Endotoxin

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