

# **OriCell Mouse Embryonic Stem Cell NCR Cryopreservation Medium**

Catalog No. MUXES-07011

## **Product Description:**

OriCell Mouse Embryonic Stem Cell NCR Cryopreservation Medium is a serum-containing freezing medium of Mouse Embryonic Stem Cells. Compared with the conventional freezing medium which requires a programmed freezing process, our product allows the cells to be put directly into the -80°C refrigerator, greatly simplifying the procedure and shortening the time of cryopreservation.

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

## **Features**

- Special for Mouse Embryonic Stem Cells
- High cell viability
- Does not affect the proliferation and differentiation properties of cells.
- Direct freezing at -80°C, no need for programmable freezer or programmed freeze process.

## **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 directly in a  $-80^{\circ}\text{C}$  refrigerator and 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  $37^{\circ}\text{C}$  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,  $20^{\circ}\text{C}$ .
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  $37^{\circ}\text{C}$  in a 5%  $\text{CO}_2$  humidified incubator.

## **Stability/Storage:**

Store at  $-20^{\circ}\text{C}$ . The product is stable at  $-20^{\circ}\text{C}$  for up to 3 years. The product should be discarded beyond the labeled expiration date.

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

## **Quality Control:**

Mouse Embryonic Stem Cell NCR Cryopreservation Medium is performance tested on Mouse 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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