

Serum-free Cryopreservation Media Instruction

【Product Identification】

Serum-free Cryopreservation Media

【Catalog Number】

MCL-001

【Packaging Specifications】

100mL/bottle, 50mL/bottle

【Intended Use】

It is for the cryopreservation of human cells only. It does not possess cell selection, induction, or differentiation capabilities. Post-thaw cells are intended for in vitro diagnostic use only, not for human reinfusion.

【Storage Conditions & Shelf Life】

Storage: Protect from light at 2-8°C.

Shelf Life: 2 years.

【Sample Requirements】

This product requires the cell sample to be sterile culture and in the logarithmic growth phase of eukaryotic cells (with a cell viability of over 95%).

【Protocol】

Count eukaryotic cells in the logarithmic growth phase. Add the Serum-free Cryopreservation Media and adjust the cell density to 2×10^6 to 1×10^7 cells/mL based on the cell type. Store 1 mL of the cell suspension in each cryopreservation tube. Place the cryopreservation tubes into a -80°C freezer for 12 hours, then transfer them to a liquid nitrogen tank for long-term storage.

Recommended Cryopreservation Densities:

【Reference Interval】

Cell type	Freezing Density	Post-Thaw Viability Range
PBMC	$1 \times 10^7/\text{mL}$	70~80%
MSC	$2 \times 10^6/\text{mL}$	90~99%
Immune Cells	$1 \times 10^7/\text{mL}$	80~90%
Tumor cells	$5 \times 10^6/\text{mL}$	90~99%

【Result Interpretation】

Cells intended for cryopreservation should be in good condition and be eukaryotic cells in the logarithmic growth phase. Failure to meet these criteria can result in reduced viability upon cell revival.

【Limitations】

Several factors can lead to errors in cell counting. Users can perform multiple counts and calculate the average.

【Precautions】

1. After opening, store at 2~8°C.
2. The entire operation process should be carried out under sterile conditions to avoid microbial contamination.
3. If contact with the skin occurs during use, wash immediately with water. If discomfort persists, seek medical attention promptly.
4. Do not use it if the packaging shows cracks or damage.
5. Expired products must not be used.

【Labeling Explanation】

None

【Manufacturer Information】

Manufacturer: Morecell Biomedical Technology Development Co., Ltd. Shenzhen

Address: Unit ABCDEF, 15F, Tower 6A, Baoneng Science Park, Qinghu Industrial Zone, Qingxiang Road, Longhua Street, Longhua New District, Shenzhen

Contact: +86-755-86548612