



Serum/Protein-Free Cell Freezing Medium (without DMSO)

CAT N° : ISL1711-100

Colour : Clear transparent solution

Storage conditions : +2°C to +8°C in the dark

Shelf life : 12 months

Recommended use

1. Gently shake the reagent before use to ensure even distribution of each component.
 2. The product is slightly sticky, which is a normal phenomenon.
 3. Please use up the product within 3 months after opening, also can be divided and put in -20°C for long-term storage.
 4. The product has a certain viscosity, recovery should not be centrifuged directly, it is recommended to dilute first and then centrifuged.
 5. Make sure the cells are in good condition before freezing, and make sure the corresponding markers are made on the cell cryotube. Use marker pen that are resistant to organic solvents to avoid loss of markers on the cell cryotube.
 6. For your safety and health, please wear safety glasses, gloves and protective clothing.
 7. Respect storage conditions of the product
 8. Do not use the product after its expiry date
 9. Store product in an area protected from light
 10. Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- The product is intended to be used in vitro, in laboratory only. Do not use it in diagnostic procedures.

Description

Serum/Protein-Free Cell Freezing Medium (without DMSO) is a chemically defined, serum-free, protein-free, without DMSO, ready-to-use non-gradient cryopreservation medium. This product is chemically defined and serum-free, which can effectively avoid the unstable results of serum batch instability and unknown composition on cell freezing. Serum-free and protein-free, the potential effects of certain proteins on some specific cells can be avoided and applied to serum-free culture cells or expressed cells for cryopreservation. DMSO-free, which can effectively reduce the toxic effects of DMSO on cells. In addition, compared with traditional cryopreservation medium, this product take the non-gradient freezing, only need to resuspend the cells with this product and put them directly into -80°C refrigerator, eliminating the operation of tedious gradient freezing.

This product guarantees freezing effect and optimizes the overall formulation, removal of DMSO as an intracellular protective agent to eliminate the toxic effect of DMSO on cells. Effectively improves viability and cell recovery after thawing. This product is universal for a wide range of cell cryopreservation, includes multiple types of stem cell cryopreservation.

Assay Protocol / Procedures

1. Cells in logarithmic growth phase are collected in centrifuge tube according to the conventional method.
2. Centrifuge cells for 3-5 minutes at 800-1200 rpm/min. The supernatant is removed and the cellular precipitate is retained.
3. Add Serum/Protein-Free Cell Freezing Medium (without DMSO), gently resuspend cells, cell density is controlled at 8×10^5 - 5×10^6 /mL.
4. Transfer the cell-containing cryopreservation medium in the appropriate volume (1 mL/piece recommended) to the cell cryotube.
5. Freeze the cells directly in -80°C refrigerator.
6. Move into liquid nitrogen for long-term storage after 24 h. Can also be stored in -80°C refrigerator for short-term storage.

For Research use only

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