One-step Serum-free cryopreservation medium
Catalog No:RC0007

Product Information

EnkiLife One-step Serum-free cryopreservation medium can reduce the damage to cell membranes during the cryopreservation process and maintain a high cell recovery rate. At the same time, all components are of high purity and stable chemical properties, making it suitable for long-term cryopreservation of various animal cell lines (tumor cells and conventional cells). The product formula is free of animal protein and serum, which can avoid animal protein contamination, and cells that have been cryopreserved for more than 10 years can be stably revived. The product does not require programmed cooling. After resuspending the cells, they can be directly placed in a -80°C refrigerator to complete the cryopreservation. It is suitable for the storage of serum-free cultured cells and protein expression cell line.

Size

50mL/100mL

Storage

Transported at room temperature, stored at 2~8℃ for a long time, valid for 36 months.

Quality inspection standards

Strict sterility, osmotic pressure, pH and endotoxin tests are carried out to ensure that the product does not contain bacteria, fungi, mycoplasma and viruses.

Operation steps

1. Collect adherent cells or suspension cells in the logarithmic phase in a centrifuge tube using conventional methods.
2. Calculate the number of cells required for cryopreservation according to the culture cell density and the size of the cell cryopreservation tube used (reference number: $5x10^5$ -$5x10^6$ cells/mL).
3. Collect the cells by centrifugation (reference centrifugation conditions: 4°C, 250xg, centrifugation for 4-6 minutes).
4. Collect the cultured cell pellet and completely discard the supernatant in the centrifuge tube.
5. Add an appropriate amount of pre-cooled product to the centrifuge tube and gently mix the cells to prepare a cell mixture.
6. Dispense the cell mixture in the centrifuge tube into labeled cryovials.
7. Immediately place the cryovials in an upright position in a -80°C freezer to complete the "one-step" freezing operation. After 24 hours, move them into liquid nitrogen or -80°C for long-term storage.

Note:

1. This product does not require a program cooling box to freeze cells
2. After the frozen cells are resuspended, they should be moved to a -80°C ultra-low temperature freezer as soon as possible and the time at room temperature should not exceed 5 minutes.
3. It is recommended that users conduct experimental cell cryopreservation and recovery on the frozen cells before freezing primary cells or sensitive cells, and then conduct formal cryopreservation after confirming the performance.
4. This product contains DMSO, please wear gloves when handling.

Notes

1. This product is For Research Use Only , Not for Diagnostic Use.
2. When using the product, pay attention to aseptic operation and avoid contamination.