Cryopreservation Medium

Product Name Cryopreservation Medium

Cat. No. CS-TC-D1

Packaging Specification 100mL/Bottle

Expected Use For cryopreservation of tumor tissue, normal tissue and tissue-engineered biological products from various mammals, such as humans, murines, swines and bovines.

Identity

Appearance	Colorless or pale yellow transparent liquid
Sterility	Sterile
Endotoxin	＜0.5 EU/mL
pH	7.2±0.5

Product description

Tissue cryopreservation medium is a used for long-term preservation of tissue samples in ultra-low temperature, maintaining their structural integrity and biological activity. This product is a ready-to-use tissue cryopreservation medium with defined chemical composition, serum-free and protein-free.

Main components Cryoprotectants, inorganic salts, antioxidants, etc.

Storage conditions and shelf life 2-8°C, protect from light with a shelf life of 12 months.

Instructions for use

This product is sterile and can be used directly without dilution. All cell/tissue culture procedures should be carried out in a sterile environment to prevent contamination. This product does not contain antibiotics or antifungal ingredients and can be supplemented according to standard cell culture concentrations before use.

Cryopreservation

1. Weigh the fresh tissue that to be cryopreserved.
2. After washing the tissue samples (such as using PBS, DMEM, etc.), cut the fresh tissue samples into small pieces (recommended no lager than 0.5 cm^3), and transfer them into pre-cooled (2-8°C) tissue cryopreservation medium.

   Note: Each 1 mL of tissue cryopreservation medium can freeze up to 200 mg of tissue. For larger tissue, the amount of tissue cryopreservation medium should be proportionally increased, and the sample must be completely covered by the tissue cryopreservation medium.
3. Put the cryovial at 4°C or on ice for 5-20 minutes.
4. For short-term storage, the cryovial can be directly stored in a -80°C refrigerator. For long-term storage, transfer the cryovial to a program cooling box or directly place it in a -80°C freezer overnight, and transfer it to liquid nitrogen the next day.

Thawing

After removing from liquid nitrogen, immediately the cryovial into a 37-42 °C water bath, stir to rapidly thaw the sample within 2 minutes, and proceed for downstream application such as dissociation into single-cell suspension using digestion solution.

Note

1. Upon receiving the product, please transfer it to a 2-8°C refrigerator for storage.
2. If the packaging is damaged, please contact our sales team immediately to replace the product.
3. This solution is expected to be handled by personnel who have received training in cell culture procedures.

4. If this product contains precipitate, turbidity or unclearly, do not use and contact sales team immediately.

5. To avoid contamination issues, please open the bottle cap in a sterile environment.

Contact

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