

Product Name

Name: Cell Cryopreservation Solution 1

Cat. No.: C3510-0100, C3510-0500

Size: 100 mL, 500 mL

Product Description

Serum-free cultured cells should be stored in a serum-free cryopreservation solution to maintain the integrity of the serum-free culture status. Serum-free media ensures that the cells are grown under chemically defined conditions and further ensures that the cells are frozen under stable conditions at low temperatures.

This cryopreservation solution is free of protein and animal components. After going through cryopreservation and recovery, the average recovery rate of the cells is more than 85%.

Product Features:

- No animal ingredients
- Ready-to-use without warming to room temperature
- Suitable for all kinds of animal cells
- Suitable for stem cell culture and immune cells
- Suitable for serum-free and serum-containing culturing
- High viability of thawed cells
- Contains phenol red

Scope of application

It is suitable for stem cell culture and is often used for cell cryopreservation in serum-free culture systems, and is also suitable for cell cryopreservation in animal serum culture systems.

Procedure**To cryopreserve cells:**

Digest the adherent cells first from the culture dishes/plates. Perform the following steps directly on the re-suspended cells:

- Collect the cells by centrifugation at 200 to 300 x g for 3 min.
- Use VivaCell's Cell Cryopreservation Solution I to resuspend the cells; adjust the cell density to 3 - 5 x 10⁶ cells/mL.
- Transfer the cell suspension to a cryopreservation tube, screw the tube cap, and mark the tubes.
- Place the cryostat tubes containing the cell suspension in a program cooling box. If the program cooling box is unavailable, you can take the cooling steps: put the sample tubes in the 4°C refrigerator for half an hour, then in the -20°C refrigerator for half an hour, and then place them in the -80°C refrigerator for more than 6 hours or overnight.
- Move the frozen tubes quickly to a liquid nitrogen tank for storage; recommend storage in the gas phase.

To revive cells:

- Remove the cell cryopreservation tubes from the liquid nitrogen tank and thaw them quickly in a 37°C water bath. Prepare the medium, sterile 15 mL centrifuge tubes, and culture flasks in advance.
- Add 15 mL of prewarmed medium to a sterile 15 mL centrifuge tube and add slowly the thawed cell suspension to the centrifuge tube. Collect the cells by centrifugation at 200 to 300 x g for 3 min.
- Decant the supernatant, resuspend the cells in a fresh medium, and seed at the appropriate density.
- Exchange fresh medium every other day and observe the cell survival.

Storage and Stability

Store at 2 - 8°C, protect from light and use within the expiry date indicated on the product label.

Validity: 18 months.

Precautions

- Forbidden to eat
- Do not use it if the packaging is broken or dripping
- Avoid contamination during operation.
- please rinse immediately with tap water, if the solution contacts the skin and mucous membrane.
- Use the product before the expiry date .

Quality Control

Cell Cryopreservation Solution 1 is tested for sterility and pH.

Precaution and Disclaimer

For research use only, not for clinical diagnosis, and treatment.