

Product Name

Name: Cell Cryopreservation Solution 1, without phenol red

Cat. No.: C3511-0100

Size: 100 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 live cells is more than 85%.

This product does not contain phenol red and is suitable for cryopreservation of estrogen-sensitive cells.

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 cultured cells
- High viability of thawed cells
- Contains NO phenol red

Scope of application

It is often used for cryopreservation of cells generated from the serum-free culture system and is also suitable for cryopreservation of cells from the animal-serum culture system. This freezing medium can also be used for studies involving estrogen-sensitive cells.

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 *g* for 3 min.
- Use VivaCell's Cell Cryopreservation Solution I to resuspend the cells (Cat: C3511, directly from the refrigerator); 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 slowly add 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 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.

Announcements

- 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.

Manufacturer

Shanghai Dr. Cell Co., Ltd.

Issue Date

June 2024

Precaution and Disclaimer

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

