

Cell Cryopreservation Solution

CryoScarless DMSO-Free

Protocol

Cultured cells in a liquid suspension form can be cryo-preserved with minimal damages from freezing and thawing steps. *CryoScarless DMSO-Free* preserves them with high viability and physiological activity. *CryoScarless DMSO-Free* includes no DMSO and no animal proteins.

Kit Components:

Name	Size	Note
CryoScarless DMSO- Free	100 mL	Containing no DMSO and proteins

Usage

1. Freezing cell suspensions

- (1) Centrifuge suspended media of cultured cells and pellet them by elimination of supernatant at 4 ~ 10 °C.
- (2) Resuspend the cell pellet with *CryoScarless DMSO-Free* at a preferred concentration of $5 \times 10^5 \sim 5 \times 10^6$ cell/mL.
- (3) Pipette the cell suspension into a cryotube at 1mL/vial and freeze them at -80 °C.
- (4) For longer preservation, transfer the cryotube into a liquid nitrogen chamber (-196 °C) on the following day.

2. Restoring live tissues from preserved state

- (1) Warm the cryotube containing the preserved cells in a water bath at 37 °C by gently shaking the tube and thaw the contents.
- (2) Centrifuge the cells and wash in cold PBS before transferring the cells to an experimental medium. When the live cells are used for experiments or cultured, place them under proper physiological conditions as soon as possible (e.g. 37 °C).

Expiration:

CryoScarless DMSO-Free can be used for 2 years after the manufacture date if stored properly at 4 °C or -20 °C.

Storage:

Left-over solution can be stored at 4 °C or -20 °C for 2 years without losing its functional quality.

Precautions:

- This product is for research use only.
- We, BMG, are not liable to any accidents or damages caused by improper usage of the product.

Quality Control:

Bacterial tests:

Bacteria, fungi or mycoplasma contamination is all negative.

Chemical tests:

- (1) pH = 6.7 ~ 8.0 at RT
- (2) Endotoxin < 0.5 EU/mL

Ordering Information:

Product	Package Size	Code No.
CryoScarless DMSO-Free	100 mL	CPL-A1

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