

Product No. 07485

Cell Reservoir One (with DMSO)

Cell Reservoir One is a new type of cell cryo-preservation solution. It consists of Sericin which is a protein of cocoon origin. Sericin has the same cell cryo-preservation effect as serum, and reduces the toxicity of DMSO. Serum and ingredients of mammal origin are free.

*Cell Reservoir One is produced with SEIREN Co. LTD. (patent pending in Japan)

Features

- No Serum, No ingredients of mammal origin
- Reduces the toxicity of DMSO with Sericin
- Possible quick freezing and long-storage in deep freezer (-80 °C)
- Unnecessary programming freezer or special vessel for freezing
- Suitable for serum-free medium

Protocol

Freezing

1. Pick up cells in the logarithmic growth phase.
2. Suspend the cells in Cell Reservoir One. (Cell: $5 \times 10^5 \sim 1 \times 10^7$ cells/ml)
3. Dispense the suspension to cryo-cell tubes.
4. Store it at -80°C without pre-freezing.

Recovery

1. Thaw cells in 37 °C water-bath immediately.
2. Suspend the cells with the medium as soon as thawing and centrifuge it.
3. Remove the supernatant, and incubate it with an appropriate quantity of medium in accordance with the conventional method.

[Cell example]

P3U1 (Myeloma, Mouse), 2E3-O (Hybridoma, Mouse), CHO (Ovary, Chinese Hamster),
PC-12 (Adrenal cortex Pheochromocytoma, Rat), Normal Dermal Fibroblast, Human,
KUSA-A1 (Mesenchymal Stem Cell, Mouse), HL-60-RG (Promyelocytic Leukemia, Human),
HeLa(Cervix Carcinoma, Human), RC4 (Cornea, Rabbit), Normal Dermal Fibroblast, Human,
Sf-9 (Ovary, Spodoptera frugiperda), RIN5F (Insulinoma, Rat), OP9 (Bone Marrow Stroma, Mouse),
WIL2-NS (B-Lymphocyte, Human), HepG2 (Hepatocellular Carcinoma, Human),
Jurkat (Acute T-Cell Leukemia, Human), Pancreatic islet, Rat, L929 (Connective Tissue, Mouse) etc.

Caution

- Pre-test the cell of purpose.
- Note that NACALAI TESQUE is not liable for damages or accidents from use of Cell Reservoir One.

Storage

Refrigerator

Expiration

18 months from manufacturing. Expiration date is stated on the product label (Exp. yy / mm).

Packing

100ml (Product No.07485-44)