



YamayBio

Ready-to-use Cell Culture Freezing Medium (FBS-Free)

QUICK START GUIDE

For research use only.
Not for use in diagnostic procedures.

Contents and Storage

Ready-to-use Cell Culture Freezing Medium (FBS-free)

CC6231 5 mL × 20

Storage: Store at 2-8 °C for 12 months. Store at -20 °C for 36 months. The product is shipped at room temperature.

Introduction

This product is a defined, ready-to-use liquid medium for cryopreservation, formulated to enhance cell viability and recovery after thawing. It contains 10% DMSO and is free of antibiotics, antimycotics, hormones, growth factors, serum, and protein. The medium is suitable for cryopreserving both general and serum-free cell lines.

Quick Start Protocol

Cryopreserve Cells

1. Collect adherent or suspension cells in the logarithmic growth phase and count the cell number.
2. Aliquot the desired number of cells into a centrifuge tube and centrifuge to collect cells (recommended: 1,000-2,000 rpm, 3-5 minutes). Carefully remove the supernatant.
3. Add cell freezing medium to adjust the final cell concentration to $1 - 5 \times 10^6$ cells/mL. Mix gently to ensure uniform suspension.
4. Transfer the cell suspension into appropriately labeled cryovials.
5. For -80 °C storage, place cryovials directly into the freezer.
6. For liquid nitrogen storage, first store cryovials at -80 °C overnight, then transfer to liquid nitrogen.

Thawing cells

1. Rapidly thaw frozen cells in a 37 °C water bath for less than 1 minute.
2. Immediately transfer the thawed cell suspension from the into a centrifuge tube containing 5 mL of complete culture medium. Centrifuge at 1,000-2,000 rpm, for 3-5 minutes to pellet cells.
3. Carefully aspirate the supernatant and resuspend the cell pellet in an appropriate volume of fresh culture medium. Mix gently and transfer to a prepared culture vessel.
4. Examine cells microscopically and proceed with routine cell culture according to experimental requirements.