



YamayBio

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

QUICK START GUIDE

Research use only.  
Not for 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.  
Product shipped at room temperature.

## Introduction

This product is a defined, ready-to-use liquid medium for cryopreservation, designed to enhance cell viability and recovery post-thaw. It contains 10% DMSO and is free of antibiotics, antimycotics, hormones, growth factors, serum, and protein. Suitable for cryopreserving both general and serum-free cultured cells.

## Quick Start Protocol

### Cryopreserve Cells

1. Collect adherent or suspension cells in logarithmic growth phase and count them.
2. Aliquot the desired number of cells into a centrifuge tube. Centrifuge to collect cells (suggested: 1,000-2,000 rpm, 3-5 minutes). Completely remove the supernatant.
3. Add cell cryopreservation medium to adjust the cell concentration to  $1-5 \times 10^6$  cells/mL. Mix gently.
4. Transfer the cell suspension into labeled cryovials.
5. For -80°C storage, directly place cryovials in the freezer.
6. For liquid nitrogen storage, place cryovials at -80°C overnight before transferring to liquid nitrogen.

### Thawing cells

1. Rapidly thaw frozen cells in a 37°C water bath (less than 1 minute).
2. Immediately upon complete thawing, transfer the cell suspension from the cryovial to a centrifuge tube containing 5 mL of cell culture medium. Centrifuge to collect cells (suggested conditions: 1,000-2,000 rpm, 3-5 minutes).
3. Carefully aspirate the supernatant. Resuspend the cell pellet in an appropriate volume of fresh cell culture medium, mix gently, and transfer to a prepared culture vessel.
4. Examine the cells microscopically. Proceed with routine cell culture as required by your specific research protocols.