

Cell Freezing Medium

Cat# NB-11-0075

Introduction

CSC Cell Freezing Medium is a specialized media, when used in conjunction with CSC Passage Reagent Group, provides a beneficial environment for the freeze/thaw cycle of cell cultures, assisting in the minimization of cellular damage during the process. CSC media and reagents are Sterile, made with WFI and all components are cGMP and ISO Compliant.

CSC Cell Freezing Medium (1X) 50 ml. Contains Conditioned CSC Medium.

Use of the Passage Reagent Group™ (PRG) to release cells from culture for freezing is critically important in minimizing membrane and cytoskeletal damage and should be used with CSC Cell Freezing Medium. Cell membranes are materially and cumulatively damaged by detachment or when subjected to the stress of freezing and thawing. Use of PRG in conjunction with Cell Freezing Medium and Attachment Factor minimizes cellular stress and damage associated with these processes and result in a much better yield.

Appropriate Use

Use of Cell Freezing Medium in freezing cells:

1. Follow steps # 1 - #12 in the instructions for NB-11-0076 Passage Reagent Group (PRG).
2. Resuspend cells in ice-cold Cell Freezing Medium at the desired final cell concentration: the “sweet spot” is typically between 0.5 - 2.0 X 10⁶ cells/mL.
3. Transfer to an ice-cold sterile cryogenic vial.
4. Reduce temperature from the triple-point at 1°C per minute until < -70°C is reached.
5. Store cell vials under liquid nitrogen. Temperature fluctuations in nitrogen vapor are bad for cell viability.

Thawing cells (recovery from frozen storage):

Follow the thawing directions appropriate for your medium system, remembering the importance of the correct use of Attachment Factor.



Handling and Storage

Store at -20°C. Once opened, shelf life 30 days at +4 - 8°C

CSC media and reagents are made with WFI, all components are cGMP and ISO Compliant, and are classed "Sterile".