CryoTonic™ Cryostorage Medium

Catalog #CR-9999

COOK® MYOSITE

CryoTonic™ Cryostorage Medium

Instructions for Use

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Use Restrictions

This product is distributed for research use only. The use of this product is not approved for human or veterinary use. Do not use this product with in vitro diagnostics.

Buyer has no rights to transfer products, components, or materials made using these products, or to use these products for commercial purposes. Commercial purposes include: use of products or their components in manufacturing; use of products or their data components to provide a service, information or data; use of products or their components for therapeutic or diagnostic purposes; resale of products or their components.

Aseptic Technique

The use of aseptic technique is required for all culturing activities. This includes the use of sterile materials and appropriate environmental conditions to ensure sterility when manipulating cultures and preparing reagents.

Use of reagent aliquotting, rather than repeated use of large volumes (e.g., entire bottle), along with the use of disposable materials/items is highly recommended. The use of vented culture flasks rather than loosened caps is highly recommended.

Safety

This product may contain human source material. Treat as potentially infectious. Handle at Biological Safety Level 2 to minimize exposure to potentially infectious agents.

Required Reagents

- CryoTonic™ Cryostorage Medium, **Cook MyoSite Catalog #CR-9999**

Cryostorage Medium Preparation

1. CryoTonic™ Cryostorage Medium comes ready to use. Use aseptic technique to aliquot contents of bottle into single-use volumes to avoid repeated freeze/thaws.

2. Store CryoTonic™ Cryostorage Medium at ≤ 20°C.

Cryopreservation Procedure

1. Determine total viable cell number in cell suspension.

2. Centrifuge cell suspension (1,000 xg for 5 minutes) to pellet.

3. Resuspend cell pellet thoroughly in a volume of cryostorage medium to obtain ≥ 5.0×10^5 viable cells/mL.

4. Transfer aliquot(s) to cryopreservation vial(s).

5.Use appropriate equipment to obtain controlled freezing rate of approximately 1°C/min

6. Store at -80°C for short time periods (< 1 week) or liquid nitrogen vapor phase for extended storage.

Additional Information

Primary cultures have a finite lifespan and limited number of population doublings in vitro. Cook MyoSite cryopreserved cells and associated reagents are tested prior to shipment for contaminating agents. Contamination of cell cultures may affect cell growth, function and behavior.

For detailed information concerning Quality Control testing and specifications, please refer to Certificate of Analysis.

COOK MYOSITE INC.
105 Delta Drive
Pittsburgh, PA 15238
412.963.7380

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