

## CRYOCART OPERATION AND MAINTENANCE

### PURPOSE AND SCOPE




The MVE CryoCart is designed for the safe loading and unloading of frozen biological samples into freezer boxes, racks, or other storage containers. When used as a portable workbench, the cryo unit will provide a safe and temperature controlled environment for samples. The CryoCart is ideal for transporting large quantities of samples from one storage unit to another within the same facility. These high-efficiency carts are the safest and most convenient way to protect the integrity and viability of samples. The temperature of the samples can be recorded at all times ensuring there is no break in the auditable cold chain. The following is a procedure for how to safely and properly fill a CryoCart.


### MATERIALS

#### Equipment


	Equipment Name	Make, Model, Location	Picture
1.	CryoApron	Cat# Fisher 17-540B Tempshield  No.:CA42  Freezer Room #4470	
2.	CryoGloves	Cat# Fisher 11-394-327 Tempshield  No.:MAL  Freezer Room #4470	

<p>3.</p>	<p>Polycarbonate Faceshield</p>	<p>Cat# Fisher 19-040-051 THREE M COMPANY  No.:82600-00000  Freezer Room #4470</p>	
<p>4.</p>	<p>Unisex Lab Coat</p>	<p>Cat# Dickies 83402  Processing Room #4490</p>	
<p>5.</p>	<p>CryoCart</p>	<p>Cat# LABREPCO, INC. 001078179 1448703  No.: FNLMVECRYOCART  Freezer Room #4470</p>	
<p>6.</p>	<p>LN2 Tank</p>	<p>Cat# Taylor Wharton XLT65HP  Freezer Room #4470</p>	

<p>7.</p>	<p>Yellow Striped Transfer Hose for Chart MVE LN2 Systems</p>	<p>Cat# MVE 9713109 (6' x 1/2" Dia.)  Freezer Room #4470</p>	
<p>8.</p>	<p>Multi-Logger Thermometer (w/2 type K Thermocouples)</p>	<p>Cat# Omega HH506RA  No.: 12001090  Freezer Room #4470</p>	
<p>9.</p>	<p>Ruler</p>	<p>Cat# Westcott R590-15  Freezer Room #4470</p>	

10.	Wrench	Cat# Westward 3LY96  Freezer Room #4470	
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**Disposables**

	Disposable Name	Catalog Info	Picture
1.	WypAll Towels	Cardinal Health Cat# 34770  Storage: Ambient  Processing Room #4490 and Shipping/Receiving Bench #4422	
2.	Nitrile Gloves	Cat# Fisher 19-162-189 CARDINAL HEALTH CORP  No.:8812NB  Freezer Room #4470	