



Tech Tips



PrincetonCryo.com

Cryogenic Delivery and Storage Systems

March, 2010

Cryo Block Charging Procedure

For optimum hold time, fully immerse the Cryo Blocks in liquid nitrogen for 24 hours. The chart below details the percentage of charge based on immersion time. It is suggested that the blocks be stored in liquid nitrogen so they will be available for immediate use. Please make sure the dewar is cooled before adding the charged blocks for shipping.

Immersion Time:	8 hrs	12 hrs	24 hrs
Percentage of Charge:	60%	80%	100%



Preventative Maintenance of Freezers

Chart has designed a preventative maintenance schedule for its MVE freezers to ensure optimum operation and performance, as well as maximum service life. MVE distributors may have a more comprehensive maintenance/service plan. At the minimum, the schedule below should be followed.

	Weekly	Monthly	6 Months	12 Months	24 Months	60 Months
Level Verification	X					
Verify Adequate Supply	X					
Plumbing Leak Check		X				
High Temp Alarm Test			X			
Level Alarm Test			X			
Thaw Freezer Lid			X			
Folding Step Inspection			X			
Lid Hinge Inspection			X			
Inline Filter Replacement				X		
Complete Function Test				X		
Solenoid Valve Replacement					X	
Relief Valve Replacement					X	
Lid Gasket Replacement					X	
Complete Freezer Thaw and Moisture Removal						X



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