

CryoHandy

Biological Sample Transport Container



MATHESON

The Gas Professionals

A safe and easy-to-use compact dry shipper for indoor transport of biological samples

Compact and easy to use

Small enough to hold in one hand.
Convenient for carrying and handling.

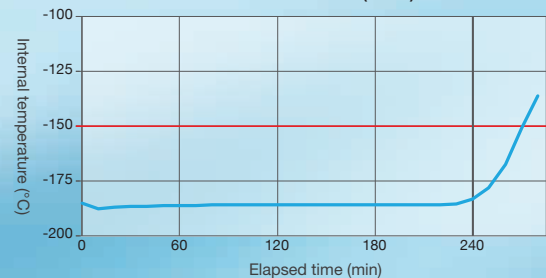
Full consideration given to hygiene

Can be sterilized with alcohol.
Ideal for use in hospitals and cell production facilities.

Can maintain a temperature up to -150°C for 4 hours

Exhibits excellent low temperature preservation performance.
Internal temperature can be checked with the touch of a button.

Reference data -150°C duration time (n = 5)



[Experimental conditions]

Adsorption amount: 244.3 g (n = 5, average value)

External temperature: 25°C

* Low-temperature maintenance performance varies depending on the amount of liquid nitrogen contained within and the number of times the container is opened and closed.

This data does not guarantee performance.



Actual size

CryoHandy is a small dry shipper that is ideal for indoor transport of biological samples within, for example, laboratories or hospitals.

Incorporating our proprietary liquid nitrogen adsorption preservation technology and vacuum insulation technology, CryoHandy allows you to carry up to eight 1.2 to 2 mL vials of biological samples easily and safely in a frozen storage state.

CryoHandy is more compact than general dry shippers used for inter-facility transportation and even allows you to check the temperature inside the container with the touch of a button.

CryoHandy maintains low temperatures and is easy to use. A small dry shipper that ensures secure intra-facility transport.

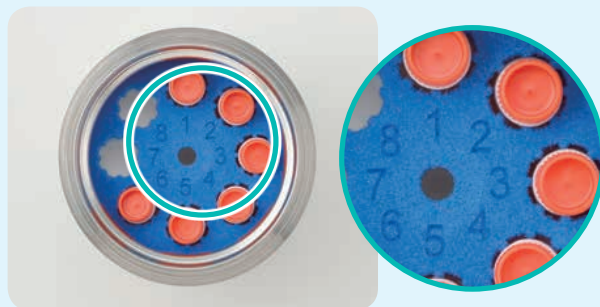
A design that gives full consideration to hygiene

In anticipation of its use in cell processing centers, we have made the utmost effort to eliminate deep grooves where bacteria can proliferate. You can easily wipe foreign matter off the CryoHandy with alcohol.



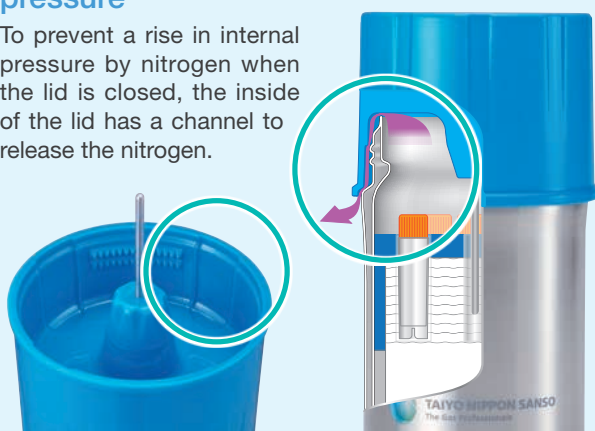
Measures to prevent human error

To prevent erroneous identification of samples, each hole in which a vial is placed is tagged with a laser-engraved recognition number.



Measures to prevent rise in internal pressure

To prevent a rise in internal pressure by nitrogen when the lid is closed, the inside of the lid has a channel to release the nitrogen.



Temperature display

CryoHandy displays the internal temperature of the container with the touch of a button. If you use the display for a total of 2 hours a day, the battery will last a minimum of three years (2,500 hours).

* The battery cannot be replaced.



Mountain-shaped cut threads

CryoHandy employs a “mountain cut” in part of the screw thread inside the lid. This shape makes it possible to scrape ice off the mouth of the container and reduces the contact surface area with the container wall surface. This makes it possible to open and close the lid easily even when it is frozen.



Specifications

Model	MR-LN-500	
Dimensions of container (when lid is closed)	180 mm (overall height) × 98 mm (maximum diameter)	
Weight	Empty, with lid attached	520 g
	Filled, with lid attached	Approx. 750 g*
Amount of liquid nitrogen adsorbed	≥ 230 g	
1.2 to 2 mL vial storage capacity	8 (up to 12 mm diameter and 50 mm height)	
Pre-cooling time of liquid nitrogen	30 minutes	
-150°C and lower preservation period	4 hours	
Automatic power off	3 minutes	

* Does not include weight of samples, and varies depending on amount of adsorbed nitrogen.

- Before using this product, carefully read the attached paper to ensure correct usage.
- Specifications are subject to change without notice or obligation as product improvements occur.

Please contact:

David Zunzanyika

510-410-5316

dzunzanyika@mathesongas.com

Copyright 2022 Matheson Tri-Gas, Inc. All Rights Reserved.

All contents of this document are subject to change without notice and do not represent a commitment on the part of Matheson Tri-Gas, Inc. Every effort is made to ensure the accuracy of this information. However, due to differences in actual and ongoing operational processes and product improvements and revisions, Matheson Tri-Gas, Inc. cannot guarantee the accuracy of this material, nor can it accept responsibility for errors or omissions. This document is intended to serve as a general orientation and cannot be relied upon for a specific operation. No warranties of any nature are extended by the information contained in these copyrighted materials.

All names, products, and services mentioned herein are the trademarks or registered trademarks of their respective organizations and are the sole property of their respective owners. Matheson and the Matheson logo are registered trademarks of Matheson Tri-Gas, Inc.



MATHESON

The Gas Professionals