



Product picture shows exemplary CryoSure® LN2 10

DESCRIPTION

CryoSure® LN2 offers precise temperature control for cryogenic temperatures as low as below 150°C for up to 35 days by using advanced insulation materials and proven dry shipper technology. With a three-layer system designed to withstand external influences, CryoSure® LN2 ensures the safety and efficacy of cell & gene therapies throughout the transportation and storage process, minimizing the risk of product loss or compromise.

DIMENSIONS AND WEIGHT

External Dimensions ¹ (l x w x h)		Internal Dimensions		Tolerances	
[mm]	[inch]	[mm]	[inch]	[mm]	[inch]
500 x 480 x 720	19.7 x 18.9 x 28.3	Neck diameter 80 Height 310	Neck diameter 3.1 Height 12.2	± 5	± 0.2
Tare Weight ¹			Payload (Volume)		
[kg]	[lbs]		[L]		
26.3 ± 1	58 ± 2.2		3.5		

¹including nitrogen and outer packaging

CANISTER DIMENSIONS

Interior ²	Inner Diameter		Height		Payload	
	[mm]	[inch]	[mm]	[inch]	[L / canister]	[L / CryoSure® LN2 2]
canister	70	2.8	280	11	1.1	2.2

²each CryoSure® LN2 2 contains 2 canisters

COOLING CONFIGURATION

Material	Weight ³		Tolerances	
	[kg]	[lbs]	[kg]	[lbs]
Liquid Nitrogen	8.5	18.7	0.6	1.3

³nitrogen absorbed by porous material

HOLDING TIME

The CryoSure® LN2 2 is tested on ambient temperature scenario for -150 °C shipments. Liquid nitrogen is absorbed by porous material in vapor phase and is used to stabilize temperature inside the CryoSure® LN2 2.

PERFORMANCE The CryoSure® LN2 2 is qualified in the temperature range below -150 °C

Temperature scenario	Duration [days]	Kelvin-hours ⁴	Average ambient temperature [°C]
ISTA 7D summer (static)	≥ 35	≥ 152905	+30.1
ISTA 7D summer (dynamic)	≥ 17	≥ 75365	+30.3

⁴Detailed information about the concept of Kelvin-hours on www.kelvinhours.com

For more details, please view the qualification report. Before performing a shipment with the CryoSure® LN2 2 it is suggested that the user performs a validation process with the equipment available and under the conditions available. A test in worst case conditions is recommended. The box provides a very stable and well-designed system solution which has to be adapted on the particular requirements of the user.

For more information please contact support@envirotainer.com.