

Internationally proven innovative product range



NLEPL/SC/12/11/1.1

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* Newtronic reserve the right to change product specifications without prior notice



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Introducing Cold Chain Solutions



Smart Incubators (Portable) Passive cooling box with temperature Indication



Ideal for Pharmaceutical, Biopharma, Life Sciences, Vaccine & Medical Applications
Portable/ Transportable Smart Incubators with Precision Heating & Cooling Capability

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mini COOL (2°C - 8°C)

Innovative passive cooling boxes



Newtronic's Passive Boxes for Cold Chain Management are used for transportation and logistics of any temperature sensitive products such as Medicine, Vaccines, Blood, Tissues, Samples, passive-qualified cooling-ice-box biotech payload etc.

Features & Functions:

- Cool boxes with temperature indicator carriers require conditioned ice packs to keep samples cool.
- Ice packs contain a PCM liquid prior to being loaded, they to be freeze in deep freezer or freezer of refrigerator.
- Different ice packs to be used for different temperatures
- Maintain the Temperature 2°C to 8°C for 24 hrs. with the frozen ice packs
- Cool boxes are with LCD display temperature indicator in Degree°C
- Ice packs to be replaced in case temp. beyond desire level.
- Continuously monitors sample by optional data logger.
- Lightweight, Convenient: carrier can pick up and deliver
- Tough plastic exterior

Optional:

50 Liters deep freezers -20°C can be supplied for freezing of Ice Packs

Specifications

Model	NLMC-44	NLMC-46
Storage Capacity	1.35 Liters	2.46 Liters
Weight Fully Loaded	4.36 Kgs.	6.36 Kgs.
Weight Empty (With Empty Ice Packs)	2.22 Kgs.	2.98 Kgs.
External Surface Material	HDPE	HDPE
Internal Lining Material	HIPS	HIPS
Insulation Material	CFC Free Polyurethane	CFC Free Polyurethane
Insulation Thickness	32/40 mm	32/35 mm
External Dimensions (L x W x H)	24.00 x 24.00 x 30.00 cms	24.00 x 24.00 x 30.00 cms
Internal Dimensions (L x W x H)	09.90 x 09.90 x 16.50 cms	12.20 x 12.20 x 19.00 cms
Storage Dimensions	09.90 x 09.90 x 16.50 cms	12.20 x 12.20 x 19.00 cms
Lid Type Fixing	Removable	Removable
Number of Ice Packs Require	4	4
Volume of Ice Pack	0.4 Liter	0.6 Liter

Smart INCUBATOR (0 -50)°C

Portable, Transportable Battery/Mains - Powered Temperature Controlled Incubators

The NEWTRONIC PORTABLE SMART INCUBATOR is a simple and versatile the Digital Portable Laboratory and Medical Transporter can both cool or heat and is designed for the transporting of samples, vaccines, pharmaceuticals or indeed anything that needs to be moved under temperature controlled conditions. Complete with an easy to read digital controller, this carrier uses mains or vehicle power via a 12v socket to cool or heat by way of an environmentally friendly peltier system. This makes it ideal for transporting vaccines by road and collecting samples in the field.



Features:

- Temp range: 0°C to +50°C
- Supplied with mains and in car power cables
- Safe gas free peltier refrigeration
- Lightweight and easily transportable
- Digital set point display
- Easy digital temperature adjustment
- Tough plastic exterior

Benefits:

- Active precision heating and cooling
- Temperature LCD display.
- Temperature control range 0° C to 50° C
- Ambient Temperature range 30° C TO 35° C
- Precise temperature control keeps samples in near-perfect conditions
- Continuously monitors sample by optional data logger.
- Lightweight, Convenient: carrier can pick up and deliver



• 12V DC power of a vehicle or on AC mains when power is available. In addition, if there is no access to power, a portable battery back-up can also be attached to keep the unit running max. for 3 hrs.

Specifications

Model	NLPSI12	NLPSI18
Storage Capacity	12 Liters	18 Liters
Voltage	65-80 W 12/24 Volts DC / 110-240 volt AC	65-80 W 12/24 Volts DC / 110-240 volt AC
Temperature Range	0°C - 50°C (Ambient Temperature)	0°C - 50°C (Ambient Temperature)
Insulation	CFC free full PU foam core	CFC free full PU foam core
Dimension	290 x 290 x 415	251 x 203 x 508
Weight	7 kgs.	8 kgs.