

Liquid Nitrogen Storage System

LNS 3042



Carrying Cart

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Cooling and the freezing of biological products is a complex process during which many chemical and physiological changes can occur. Biological products can be preserved in many ways, but the storage at very low temperatures is the only method of conservation that minimizes these changes.

Living cells have a critical temperature of -130° , beyond this threshold temperature the stability of the sample can't be guaranteed.

In order to guarantee stability of the sample living cells must be stored under temperatures provided by using liquid nitrogen (-196°C) and we then have a safety margin of $+60^{\circ}\text{C}$ from the critical point.

LNS 3042, Liquid Nitrogen Container With Racks

LNS 3042 products are designed for storing biological samples in vials, especially suitable for the fields of medical treatment and biological science and research. They feature in storing large capacity of biological samples and low liquid nitrogen consumption, which are the most economical choice.

►► **Main Features:**

- Unique hanging rack and guided box design, allows for easy tracking and retrieval of samples.
- Advanced vacuum insulation minimizes liquid nitrogen evaporation and reduces operating costs.
- Durable aluminium construction provides years of trouble free service.
- Compact size allows system to easily fit into any lab.
- An optional sturdy 4 wheels cart provides easy movement within the laboratory.
- Super vacuum insulation offers unbeatable liquid nitrogen efficiency.
- Level measuring scale (optional), for measuring the current level of liquid nitrogen.
- Lockable cover (optional), prevent unauthorized entry.
- Plastic box, for storing in vials.
- Narrow neck design.

►► Specifications

Model	Unit	LNS 3041	LNS 3042	LNS 3043	LNS 3044
Capacity	L	47.0	65.0	121.0	175.0
Empty Weight	kg	19.0	27.5 43.0	43.0	54.5
Neck diameter	mm	127	216	216	216
Outer diameter	mm	500	573	573	676
Height	mm	675	710	1000	1020
Static evaporation loss mass	L/d	0.33	0.79	0.87	0.87
Static holding time (days)	d	142	82	139	202
Numbers of racks	n	7	5	5	7
Box per rack	n	5	5	10	10
Measurement of rack	mm	82x84	142x144	142x144	142x144
Measurement of box	mm	76x76	134x134	134x134	134x134
Box needed for system	n	35	25	50	70
Number of vials	n	875	2025	4050	5670

►► Regulatory compliances



►► Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

►► Reach us @



Analytical[®] Technologies Limited

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W: www.ais-india.com
www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide

Note : Company reserves rights to add/delete/modify the contents /technical specifications of the catalogue without prior notice.