

LABS Series FREEZERS

The Benchmark in Biobanking



STATE-OF-THE ART DESIGN FEATURES

High efficiency – very low LN₂ consumption

- LN₂ storage in either liquid or vapor phase
- Near LN₂ temperatures maintained at top of inventory storage system for overall sample viability

Single pivot point aluminum turntable design –smooth rotation and ergonomic use

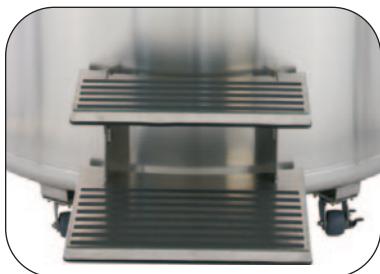
- Eliminates any mechanical component maintenance
- Full height, segmented and labeled turntable provides easy inventory storage access and management
- Convenient access to measure LN₂ level

Hinged lid and stainless steel table top – easy operation with a convenient working surface

- The lid includes locking capabilities and activates an automatic defog for quick viewing of inventory storage
- The table top provides a working surface and provides protection to electrical and plumbing components

Enhanced and intuitive controller technology:

- Discrete thermistor level measurement and thermocouple temperature resolution within 0.1 °C
- Capabilities for data collection, event scheduling and enhanced security settings
- Second access point for monitoring temperature



Integral folding step with slip-resistant surface.
All units include a mechanical step-lock for securing the step when stowed.



Flexible Fill Hose with 1.27 cm I.D.
includes dual swivel connectors and a 3/8" male NPT adaptor included with purchase.



MODELS	20K	38K	40K	80K	94K
DIMENSIONS					
External Operating Height (in) (Top of Step to Lid Opening) (mm)	42 1067	44 1118	42 1067	42 1067	40 1016
Step Height (in) (mm)	11 275	11.5 287.5	11/16.3 275/407.5	11/17 275/425	11/22 275/550
Height (in) (Floor to Opening) (mm)	53 1346	56 1422	53 1346	53 1346	62 1575
Usable Height - Internal (in) (mm)	30 762	30 762	30 762	30 762	35.3 897
Outside Diameter (in) (mm)	34 864	42 1067	45 1143	59.5 1511	59.5 1511
Internal Working Diameter (in) (mm)	29.5 750	38 965	40.5 1029	55 1397	55 1397
Neck Opening (in) (mm)	13 330	18 457	18 457	24.5 622	24.5 622
CAPACITY					
Total LN2 Capacity (Liquid Storage) L. Total LN2 Capacity (Vapor Storage) L.	371 36	623 73	698 80	1269 137	1595 300
WEIGHT					
Empty (lb) (kg)	650 295	930 422	920 417	1550 703	1700 771
Maximum Gross Weight (lb) (kg)	1311 595	2040 925	2164 981	3811 1729	4542 2060
INVENTORY CONTROL SYSTEM SPECIFICATIONS					
No. 100/81 Cell Racks	14	26	30	58	60
No. Shelves/Rack	13	13	13	13	15
No. 25 Cell Racks	4	12	8	12	8
No. Shelves/Rack	13	13	13	13	15
Vial Capacity, 2 ml	19500	37700	41600	79300	93000
Bag 25 ml (7 Level Rack)	1624	2688	3108	5999	6856
Bag 50 ml (7 Level Rack)	924	1582	1876	3381	3864
Bag 250 ml (5 Level Rack)	500	900	990	1920	2304
Bag 500 ml (5 Level Rack)	420	690	830	1610	1932



smart solutions & service

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