

# TW LABS Series ICBiomedical

## FREEZERS

The Benchmark in Biobanking



## STATE-OF-THE ART DESIGN FEATURES

### High efficiency – very low LN<sub>2</sub> consumption

- LN<sub>2</sub> storage in either liquid or vapor phase
- Near LN<sub>2</sub> 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 LN<sub>2</sub> 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

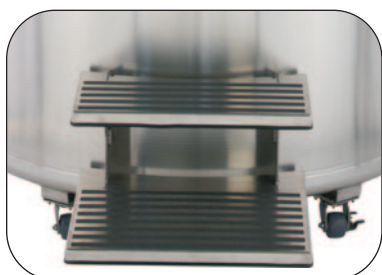


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Integral folding step with slip-resistant surface. All units include a mechanical step-lock for securing the step when stowed.



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



SPECIFICATIONS	20K	38K	40K	80K	94K
LN <sub>2</sub> Capacity (L) Liquid	371	623	698	1269	1595
LN <sub>2</sub> Capacity (L) Vapor	36	73	80	137	300
DIMENSIONS					
External Operating Height (Top of Step to Lid Opening)	42	44	42	42	40
Step Height (in)	11	11.5	11/16.3	11/17	11/22
Height (in) Floor to Opening	53	56	53	53	62
Usable Height - Internal (in)	34	42	45	59.5	59.5
Outside Diameter	34	42	45	59.5	59.5
Internal Working Dia. (in)	29.5	38	40.5	55	55
Neck Opening (in)	13	18	18	24.5	24.5
WEIGHT					
Empty (Lbs)	650	930	920	1550	1700
Full (Lbs)	1311	2040	2164	3811	4542
INVENTORY CAPACITY					
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



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