

## Worthington Industries - Labs CS Series | 20k | 38K | 40K | 80K | 94K

Fully enclosed and protected battery back-up (optional) provides up to 72 hours of fully operational capability, including automatic LN2 filling.

Rating: Not Rated Yet

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Manufacturer [Worthington Industries](#)

### Description

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## Description

### The Benchmark in Biobanking

State-of-the art engineering design featuring:

#### High efficiency - very low LN2 consumption

The Worthington Industries Laboratory Archival Biological Storage (LABS) Series Cryostorage Systems are cryogenic freezers designed with state-of-the-art engineering. They feature highly efficient units with very low LN2 consumption and extremely stable near-liquid temperatures at the top of the inventory control systems, making the LABS Series the benchmark in biobanking cold storage equipment. Liquid nitrogen storage in either liquid or vapor phase applications make the LABS Series the definitive choice for long-term sample storage application where temperature stability and sample security are required.

Product formerly branded CryoScience by Taylor-Wharton, which was acquired by Worthington Industries.

- 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

#### 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 clear working surface and provides protection to electrical and plumbing components

#### Enhanced and intuitive controller technology:

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

## Specification

MODELS	20K	38K	40K	80K	94K
External Operating	42	44	42	42	40
Height (Top of Step to Lid opening)	1067	1118	1067	1067	1016
Step Height (1)	11	11.5	11/*	11/17	11/22
Height	279	292	279	279	279/559
(Floor to Opening)	53	56	53	53	62
Usable Height, Internal	1346	1422	1346	1346	1575
30	30	30	30	30	35.3
762	762	762	762	762	897
Outside Diameter	34	42	45	59.5	59.5
864	1067	1143	1511	1511	1511
Internal Working	29.5	37.8	40.5	55	55
Diameter	750	959	1029	1397	1397
Neck Opening	13	18	18	24.5	24.5
330	330	457	457	622	622
Capacity	407	626	606	1350	1630
Total LN2 Capacity (Liquid Storage) L.	46	72	76	150	300
Total LN2 Capacity (Vapor Storage) L.					
Weight, Empty	650	930	920	1550	1700
295	295	422	417	703	771
Maximum Gross	1375	2050	2000	3956	4600
Weight (3)	624	930	907	1794	2086
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	12
No. Shelves/Rack	13	13	13	13	15
Vial Capacity, 2 ml (4)	19500	37700	41600	79300	94500
Bag 25 ml (7 Level Rack)(5)	1624	2688	3108	5999	6856
Bag 50 ml (7 Level Rack)(5)	924	1582	1876	3381	3864
Bag 250 ml (5 Level Rack)(6)	500	900	990	1920	2304
Bag 500 ml (5 Level Rack)(6)	420	690	830	1610	1932

(1) LABS 94K features independent dual stainless steel folding steps. The dual steps are optional on the LABS 40K and 80K.(2) Universal transformer reduces power to 12 VDC. Power outlet/plug configuration for country of end use to be indicated at time of order.(3) Includes the empty weight and total LN2 capacity weight.(4) 2 ml vial size/12.5 mm O.D. internal thread. 6-2 half-rack capacity of 94,200 for LABS 94.(5) Model LABS 94K, 8 Level Rack.(6) Model LABS 94K, 6 Level Rack.(7) Features standard on all units with CS Control System.

**Reviews**

There are yet no reviews for this product.