



**LABS
Series**

CST
*Cryo-Science
Technologies*



LABS Series

The LABS Series is designed to provide near LN₂ Temperatures at the top of the Inventory System and all racks are in vapor.



**Taylor-Wharton
CRYOGENICS**





Features

- Near LN₂ Temperature at Top Rack
- Turntable Pivot – Easier Movement
- Easy-Grip Aluminum Turn-Table
- Efficient Inventory Design-Maximized
- 100 Cell Racks
- Hinged & Lockable Lid with Hard Polyurethane Boot
- Flat Table-Top – Convenient Work Surface
- Integrated and Folding Step



Models		20K	40K	80K
Dimensions				
External Operating Height (Top of Step to Lid Opening)	- in. - mm.	42.5 1080	42.5 1080	42.5 1080
Step Height	- in. - mm.	11.0 279	11.0 279	11.0 279
Overall Height (Top of Control Interface)	- in. - mm.	60.0 1524	60.0 1524	60.0 1524
Usable Height Internal	- in. - mm.	30.0 762	30.0 762	30.0 762
Outside Diameter	- in. - mm.	34.0 863.6	45.0 1143	59.5 1511
Internal Working Diameter	- in. - mm.	29.5 750	40.5 1029	55.0 1397
Neck Opening	- in. - mm.	13.0 330	18.0 457	24.5 622
Capacity				
LN2 Capacity	L	407	606	1350
Power Supply (1)	VAC	16.5	16.5	16.5
Evaporation Rate (2)	L/day	8.0	9.0	15.0
Weight, Empty	- lb. - kg.	650 295	920 417	1550 703
Maximum Gross Weight (3)	- lb. - kg.	1375 624	2000 907	3956 1794
Inventory Control System Specifications				
No. 5.0 x 5.0 Racks (4)		14	30	58
No. Shelves/Rack		13	13	13
No. 3.0 x 3.0 Racks (5)		4	8	12
No. Shelves/Rack		13	13	13
Vial Capacity, 2 ml (6)		19500	41600	79300
Blood Bag (Fenwall 4R9951)		560	1204	2100
Blood Bag (Fenwall 4R9953)		400	820	1505
Blood Bag (Fenwall 4R9955)		290	590	1050



(1) This is the power supply for the standard battery backup version. The Kryos version (No Battery) uses a 24 VAC power supply. For power outlets other than North American 110 VAC contact Taylor-Wharton Customer Service.

(2) Evaporation rate is nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history, and manufacturing tolerances.

(3) Includes the empty weight and total LN₂ capacity weight.

(4) 5 in. x 5 in. (127 mm x 127 mm) 100/81 cell box.

(5) 3 in. x 3 in. (76 mm x 76 mm) 25 cell box.

(6) 2 ml vial size; 12.5 mm O.D. internal thread.