

XLC 500 and XLC 1200

Cryogenic Storage Equipment to Build a Cryo-Preservation Management System.

The XLC 500 and XLC 1200 are the new generation of cryogenic storage equipment from MVE that incorporates a higher capacity tank with the new TEC 2000/1000 micro-processor control system. The attractive square cabinet on casters allows for easy positioning of the unit. The counter balanced lid with recessed handle has a key lock to secure your samples. But the real security

begins with the TEC 2000. The electronic controller provides key access entry code security for all the important functions of the storage container. The controller constantly monitors liquid level, temperatures, nitrogen consumption, and alarm status. It can record, report and archive all this data through software or printer option to make cryo-preservation management possible.

Features Include:

- 20% More Capacity
- Square cabinet with caster base, counterbalanced lid and recessed handle
- Snap out panels for easy maintenance
- Annular space filling lines to prevent ice build up
- Gas by Pass Option available
- Magnetic reference guide

- Key lock and programmable entry code
- TEC 2000/1000 electronics built in
- RS232 port for remote monitoring and programming
- Liquid usage readout
- Custom LN2 scale selection
- Two silicon diode temperature sensors
- Optional software available for remote programming and monitoring
- Optional printer for on site data recording



SPECIFICATIONS

	FNL XLC 500 10755167	XLC 1200 1073974
MAXIMUM STORAGE CAPACITY		
Number of 1.2 & 2.0 ml vials in racks	10,400	23,400
Number of racks (100 vials)	7 (13/2 rack)	17 (13/2 rack)
Number of racks (25 vials)	4 (13/2 rack)	4 (13/2 rack)
Total number of racks	11	21
Number of blood bag stored (Fenwal 4R-5461)	176	568
Number of SUC-1 canisters (2.5" x 2.5" x 11")	36	88
Number of 1.2 & 2.0 ml vials on canes	6,048	11,000
Number of 1/2 cc straws (10/cane)	11,160	27,280
PERFORMANCE		
Liquid nitrogen capacity (liters)	146	350
Static evaporation rate (liters/day)	5.0	7
Static holding time (days)	29.2	50
Power supply (available w/110v/220v transformer)	24 Volts AC	24 Volts AC
UNIT DIMENSIONS		
Neck opening (in/mm)	20 508	31 788
Usable height (in/mm)	28.6 726	28.6 726
Overall height (in/mm)	40.8 1036	38.2 970
Outside dimensions (in/mm)	23 x 27.3 584 x 693	34.5 x 38 876 x 965
Internal diameter (in/mm)	20 508	31 788
Weight empty (lbs/kg)	190 86	520 236
Weight full (lbs/kg)	450 204	1144 520

ACCESSORIES

1	Blood Bag Canister - Holds the blood bag flat and square for freezing
2	Blood Bag Frame - Holds four blood bags for easy placement in freezer
3	Square Racks (13-2) - Holds 13 boxes (100 cell or 25 cell)
4	Square Racks - Available in a variety of configurations
5	Cardboard Boxes (81 cell) - Holds 81 (1 ml, 2 ml or 3.75 ml vials)
6	Plastic Boxes (100 cell) - Holds 100 (1 ml, 2 ml or 3.75 ml vials)
7	Plastic Boxes (25 cell) - Holds 25 (1 ml, 2 ml or 3.75 ml vials)
8	Metal Boxes (81 cell) - Holds 81 (1 ml, 2 ml or 3.75 ml vials)
9	Cryogenic Gloves (Long) - Protection from cold temperatures with long cuff
10	Transfer Hose - 1/2" ID stainless steel hose to connect freezer to LN2 source
11	Silicon Diode Temperature Probes - Reads temperature of samples inside freezer
12	Cryogenic Labeling Pens - Used to mark on vials
13	Power Transformer - Converts AC to DC power
14	Cryogenic Gloves (Short) - Protection from cold temperatures with short cuff
15	Magnetic Reference Guide - Operational facts

The XLC 500 and XLC 1200 cryo-preservation units are the most accurate, secure and user friendly storage systems available today. MVE cryogenics is the cryological choice for today's applications and tomorrow's needs.

Normal Evaporation Rate (NER) and Static Holding Times are nominal. Actual rate may be affected by the nature of current atmospheric conditions, container history and manufacturing tolerances.

"Working time" is an arbitrary reference, to estimate container performance under normal operating conditions. Actual working time may vary due to current atmospheric conditions, container history, manufacturing tolerances and any individual patterns of use.

