

Deep Freezer & Ultra Low Deep Freezer (-20°C, -40°C, -60°C, -86°C)



Our freezers are designed and manufactured for long term storage of various biological products, including viruses, germs, erythrocytes and leucocytes. Applications can be found in blood banks, hospitals, epidemic prevention services, research institutes, biological engineering institutes, laboratories in electronic and chemical plants.

Ultra Low Freezers –86°C

- Cascade and Hydrocarbon Refrigeration Technology Multifunction audio-visual alarm
- Smart Frequency Conversion (Inverted Compressor) assuring user -70°C in case of one compressor fails
- Precise temperature uniformity of $\pm 3^{\circ}\text{C}$ (setting temperature at -80°C)
- Pressure Equalisation port
- Vacuum Insulation Panels (VIP)
- Design for best accuracy and uniformity Unique Inventory Management System

Deep Freezers –20°C

- Standard as well as GMP model availability
- Standby refrigeration for GMP models
- Heavy duty Tray design
- Safety Alarms

Deep Freezers –60°C

- Single compressor auto cascade refrigeration system
- Creative dual seals design retains cold temperature more effectively and eliminates condensation on gaskets.
- Interior material is certified food grade 304 stainless steel

Deep Freezers –40°C

- Permanently lubricated cooling fan for safety and longevity
- Safety - Multiple malfunction alarms include high/low temperature, sensor error, power failure, high ambient temperature, low battery, door ajar. Alarm Types: buzzer, flashing light, remote alarm

Optional

21 CFR Part 11 – Desktop based or Web based communication software for data management

Scanner – Multi-point temperature complete with sensors and data logging facility.

Mobile Alert system

Remote alarm System

Touch screen controller with LCD Display USB for data storage/ RS485/Printer interface

Seven days data circular Charts Recorder,

Category	Temp Range	Capacities	Control System
-86 Ultra Low Freezers	-40°C~ - 86 °C	60 L to 930 L	PLC touch screen control
-60 Deep Freezers	-40°C~ - 60 °C	140 to 400L	Microprocessor
-40 Deep Freezers	-20°C~ - 40 °C	100 L to 1008 L	Microprocessor
-20 Deep Freezers	-7°C~ - 20 °C	100 L to 1365 L	Microprocessor

Thermolab Scientific Equipments Pvt Ltd.

Corporate Office:

Plot No.19/20/40/41, Vasai Municipal Industrial Area, Umela Road, Vasai (West),
Dist. Palghar – 401 207, Maharashtra, INDIA.

(M) : +91 88888 08300 (T) : +91 – 250 – 2322164, 2321627, 2310912, 2321656, 2310325 (E) : solutions@thermolabgroup.com

www.thermolabscientific.com | www.thermolabgroup.com



Unit II



"As part of our continuous improvement program, design specifications and photographs given in this brochure are subject to change without notice and without attracting obligations for pre modification to equipment previously sold"

Unit I

