

ULTRA PLASMA FREEZER

Micro controller based Ultra Plasma Freezers are designed for quick freezing and storing of Plasma and related blood components at desired low temperature as low as -80°C . The system includes controller with digital temperature display, temperature recorder, temperature alarm system with adjustable high/low alarm limits, and audio visual alarm on temperature deviation. These Ultra Plasma Freezers are specially designed for blood banks and research laboratories.

CALIBRATION

The equipment is calibrated with the help of master calibrator, which is certified for its accuracy by Electronics Regional Testing Laboratory (ERTL West), Government of India recognized testing laboratory with traceable reference to National Physical Laboratories (NPL).

CABINET CONSTRUCTION & REFRIGERATION SYSTEM

High density CFC free Poly Urethane Foam insulated cabinet with corrosion resistant stainless steel interior, white powder coated exterior finish. Keyed door lock for improved security with magnetic door gasket and open stainless steel plasma basket. The cooling is effected by two hermitically sealed Danfoss compressors.

SALIENT FEATURES

- Foamed-in place PUF insulation ensures temperature stability and reduced energy consumption.
- Audiovisual alarm if the temperature deviates from the set temperature.
- Display of set value and process value.
- Precise control of temperature by using micro controller based temperature controller.
- Cascade refrigeration system with CFC free compressor and eco-friendly refrigeration systems with time delay.
- Castor wheels for ease of mobility.
- 7 days circular chart recorder.

TECHNICAL SPECIFICATIONS

Model no.	IUFP-90	IUFP-180
Volume	90 Liters.	170 Liters.
Inside Dim (W x D x H) cms	42 x 38 x 57	50 x 43 x 85
External Dim (W x D x H) cms	55 x 58 x 128	66 x 63 x 159
No. of Baskets	2	3
Temperature	-80°C	-80°C
Input Voltage	230 V AC.	230 V AC.



OPTIONAL ACCESSORIES:

- **Mobile Alert**
Via GSM technology in case system fails.
- **Data Scanner**
8 channel temperature scanner complete with sensors and printer interface and data storage facility.
- **Software**
CFR 21 part 11 compliance windows based communication software for data management. Complete with RS-485 multi dropping to monitor multiple chambers to one software.