

# Plasma Thawing

## Horizontal

A thawing bath is a device used to thaw frozen samples, such as blood, plasma, or serum, in clinical laboratories and blood banks. Thawing baths are designed to safely and quickly thaw samples while maintaining their integrity and preventing contamination or damage.

### HERE ARE SOME FEATURES OF A THAWING BATH

**Temperature control:** The water bath temperature can be adjusted based on the type and quantity of the sample being thawed.

**Sample holder:** A basket or platform is used to hold the samples. The platform can be designed to accommodate different sizes and types of sample containers.

**Digital temperature controller:** A digital temperature controller is used to control the temperature.

**Water circulating pump:** A water circulating pump is used to circulate water.

**Removable tray:** A removable tray is used to hold the plasma bags.

**Buzzer:** A buzzer alerts the user when the thawing process is complete.

Some uses of a thawing bath include: Thawing frozen plasma within 24 hours after phlebotomy, Thawing cryoprecipitated AHF, Warming whole blood and red blood cells, and Warming crystalloid infusion solutions before transfusion.

### Silent Features:

- Microprocessor based precise temperature control.
- High performance 1.5 kw heater & compressor to achieve the set temp.
- Over temperature safety limit, audio visual alarm.
- LED monitor to display the working status of thawing bath.
- Continuous water circulation for temp uniformity & rapid thawing.
- Audio visual alarm after elapsed time.
- Capacity to thaw 15 plasma bags.

LuxMed® Thawing bath offer quick and optimum thawing of plasma at required temperature levels.

Available in two variants Refrigerated & Non-Refrigerated.

**LM-TB-FR-001**, is a refrigerated thawing bath for preparation of cryoprecipitate at required temperature of 4°C.

**LM-TB-HT-002**, is a non-refrigerated thawing bath for quick thawing of plasma at required temperature of 37°C.

### Technical Specifications

Model	LM-TB-FR-001	LM-TB-HT-002
Parameter	Refrigerated Thawing Bath	Non-Refrigerated Thawing Bath
Temperature	+4°C & + 37°C (accuracy $\pm 0.2^\circ\text{C}$ )	+ 37°C (accuracy $\pm 0.2^\circ\text{C}$ )
External Dimensions W x D x H (mm)	910 x 600 x 1090 mm	760 x 530 x 640 mm
Thawing Timer	Adjustable up to 2 Hrs	Adjustable up to 2 Hrs
Internal Body Material	Stainless Steel AISI 304 Grade	Stainless Steel AISI 304 Grade
External Body Material	Powder Coated CRCA Steel or SS 304 (On Demand)	Powder Coated CRCA Steel or SS 304 (On Demand)
Noise Level	Less Than 65 db(A)	Less Than 65 db(A)
Recommended Line Voltage Corrector	3 KVA	3 KVA
Electrical	220-240 Volts, 50 Hz, Single Phase	220-240 Volts, 50 Hz, Single Phase

