

CRYO BATH CB100

Maximising the Quality and Yield
of Cryo-Precipitate

ISO 13485 CE



Management System
EN ISO
13485:2012
www.tuv.com
ID 000047281

Optimize blood care with advanced technology

“ Frozen plasma products must be thawed at 37°C. If they are thawed at 4°C cryo-precipitate will form. FFP thawed in a water bath must be protected from contamination. This can be accomplished by positioning the container upright, with entry ports above the water level.”

British Society for Hematology

“ For a better yield allow the plasma to thaw at 1°C - 6°C by placing the bag in a 4°C shaking water bath.”

AABB Manual



FEATURES

- Integrated system - A compressor, heater and pumping system ensures temperature maintenance at set point.
- Uniform and optimum thawing – A high capacity pump facilitates the optimum and uniform thawing of plasma.
- Competitive bag capacity – The capacity of 12 plasma bags in one cycle makes the cryo bath suitable for large blood banks.
- Maintaining accurate temperature – A microprocessor-based controller allows for the precise monitor and control of temperature at 4°C.
- Prevents contamination – A tray with individual compartments ensures that the ports of bags are kept above water level during the procedure.
- Easy to transport - Mounted on four castor wheels.

SPECIFICATIONS | CRYO BATH CB100

Input power supply	230 +/- 10% V,50Hz,6A single phase AC
Power consumption	1600W
Operating temperature	3.7 °C to 4.3°C
Programmable temperature range of controller	3°C to 56°C
Timer setting range	0-4 hrs
Alarms	High temperature (audible & visual), Low temperature (audible & visual) Timer end (audible & visual)
Display	4 x7 segment LED (Red)
Display resolution	0.1°C
Temp. controller	Microprocessor based digital controller
Capacity (in terms of bags)	12 regular fresh frozen plasma filled bags
Time taken for one process	2 hours for plasma bags stored at -40°C.
Tray	Stainless steel, removable tray of 4 x 3 configuration, individual compartments for holding plasma bags
Voltage stabilizer	2KVA external stabilizer (Optional)
Mechanism for thawing	Pumping mechanism by high capacity imported pump and maintenance of temperature by heater & compressor. Cooling coils are routed in a way to transfer maximum cooling. Filter near water inlet inside tank prevents clogging and movement of dust into the pump
External dimensions (W x D x H) mm	850 x 475 x 795(with castor wheel)
Inner tank	Stainless steel
Castor wheels	Lockable type - 2 nos; Non-lockable type - 2 nos.
Temperature sensing method	Sealed sensor dipped directly in the water.
Approx. weight (Kg.)	80 kg
Manufacturing standard	ISO 9001: 2008, EN ISO 13485 : 2012
Standards & approval	CE , EUroHS

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