

Digital Constant Temperature Thawing Box (Dry-type)

PTM-1DY PTM-1SK PTM-1WC



A well-established and rigorous temperature control system

Adopting IPS high-definition touch display system, the circuit control is more precise, intuitive, and reliable; From heating to precise control of the pipeline system, the temperature is always controlled within the safe thawing range.



Efficient, safe, and reliable heating system

Adopting PTC heating system, the heating speed is fast and stable, and it takes 10-12 minutes to heat from room temperature to 37 °C.

Adopting a water electricity separation design, the heating device is completely isolated from water to avoid equipment failure and personnel injury caused by electric leakage.

Complete recording of information and traceability of quality control data

- ◆ Real time recording of water temperature and slurry temperature and automatic storage, exporting data through USB interface for quality monitoring.
- ◆ Equipped with a traceability system, it can record the temperature data of the box in real time, set the hospital name and operator number, and accurately save the operation records.
- ◆ Add password lock screen protection to the screen operation interface: supports password verification unlocking, unauthorized personnel cannot enter the parameter settings and operation interface, full traceability of operation permissions, strengthens equipment operation security and management standardization.
- ◆ Real time display of temperature/time dynamic change curves, with over temperature power-off and low water level protection functions. It has upper and lower limit alarm function and can set upper and lower limit alarm parameters.
- ◆ Simulating thawing temperature changes: By analyzing the data of simulated thawing temperature changes, the time of each thawing stage can be calibrated to achieve the goal of managing the quality of the melted plasma.
- ◆ Supports six custom thawing modes, and customers can independently set the thawing method according to their needs. To adapt to the thawing and thawing of frozen plasma, platelets, and blood products of different volumes.





Freely adjustable thawing dividers

The thawing compartment for placing plasma can be freely adjusted according to the size of the plasma bag, greatly facilitating clinical use.

Detachable water tank, convenient for regular deep cleaning and disinfection of the equipment box, avoiding bacterial growth and protecting the safety of slurry melting.



Timed on/off function for user convenience



Fully automatic water management and ease of operation

Equipped with automatic water intake and drainage functions, the studio does not require a floor drain; After thawing, the blood bag is automatically controlled to dry, simplifying the operation.

Support one click automatic cleaning. After cleaning is completed, the program will automatically heat up and enter standby mode, without the need for personnel to be on duty.



Specification

Parameter	PTM-IDY	PTM-ISK	PTM-IWC
Thawing Method	Dry-type	Swing type	Circulating water bath type
Water Storage Capacity	48kg±5%	48kg±5%	48kg±5%
Circulation Capacity	30L/min	30L/min	30L/min
Temperature Control Range	37 °C (controllable and adjustable)	37 °C (controllable and adjustable)	37 °C (controllable and adjustable)
Temperature Control Accuracy	±0.1°C	±0.1°C	±0.1°C
Heating Power	3500W	3500W	3500W
Suitable Thawing Quantity	5 bags	10 bags	10 bags
Max. Thawing Quantity	10 bags	20 bags	20 bags
Thawing Time	20-30 mins	10-15 mins	10-15 mins
Swing Frequency	/	60 cycles/min	/
Swing Mode and Amplitude	/	Left and right reciprocating 50mm±5	/
External Dimensions	550mm*500mm*945mm (L*W*H)	550mm*500mm*945mm (L*W*H)	550mm*500mm*945mm (L*W*H)

Plasma Thawers (Water type+Swing type)

PTM-2P-WS



- ◆ Circulation Capacity:30L/min
- ◆ Heating Power:2200W
- ◆ Max. Pulp Volume:10 bags
- ◆ Thawing Time:20-30 mins
- ◆ Fast, safe and reliable heating system



Fully guarantee the safety of plasma thawing



Multiple thawing modes



Thick film hydroelectric separation heating system



Adjustable thawing compartment



UV-C disinfection and sterilization system



Automatic cleaning function



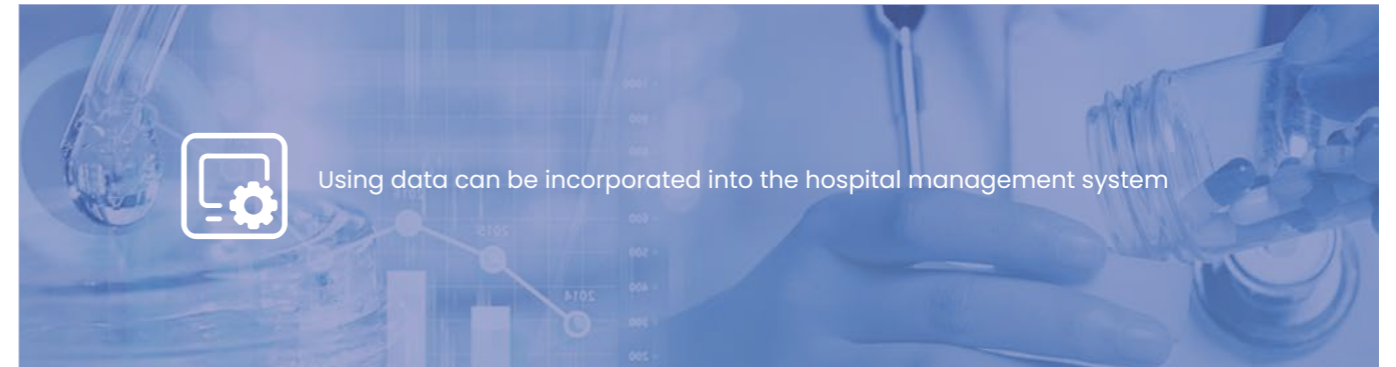
Complete information record and quality control data traceability



Draining water function, special drain contamination



Intelligent operation management system



Specifications

Parameter	PTM-2P-WS
Plasma thawing quantity	200 ml 30 bags
Thawing way	Water--oscillation type
Quality control data traceability	Real-time record water temperature and melting temperature and automatic storage; export data through USB interface, facilitate quality management and data traceability.
Wifi transmission and cloud system	Support wireless transmission function, transmit data directly to cloud , through PC host or mobile app to view relevant data anytime, anywhere. (Optional)
Digital operating system	Microcomputer touch screen operation can display the temperature/time change curve in real time, and the device. faults can be directly displayed on the screen for easy repair and maintenance
Data recording and storage	Storage capacity: 4-64GB; Record and store more than 2000-32000 groups data; Cloud can store larger amounts of data.
Scan function	Optional scanning gun, scan the bar code of the plasma bag and enter data.
Water pump capacity	60L/min
Power	4000W
Temperature control range/accuracy	RT-42℃, accuracy: $\leq \pm 1^\circ\text{C}$
Oscillation frequency/amplitude	60r/min, 50mm \pm 5
Thawing time	≤ 30 min complete(under full load conditions)
Voltage/frequency	220V \pm 10%/50Hz
Package Dimension (W*D*H)(mm)	1100*760*1200 (PTM-2P-WS)