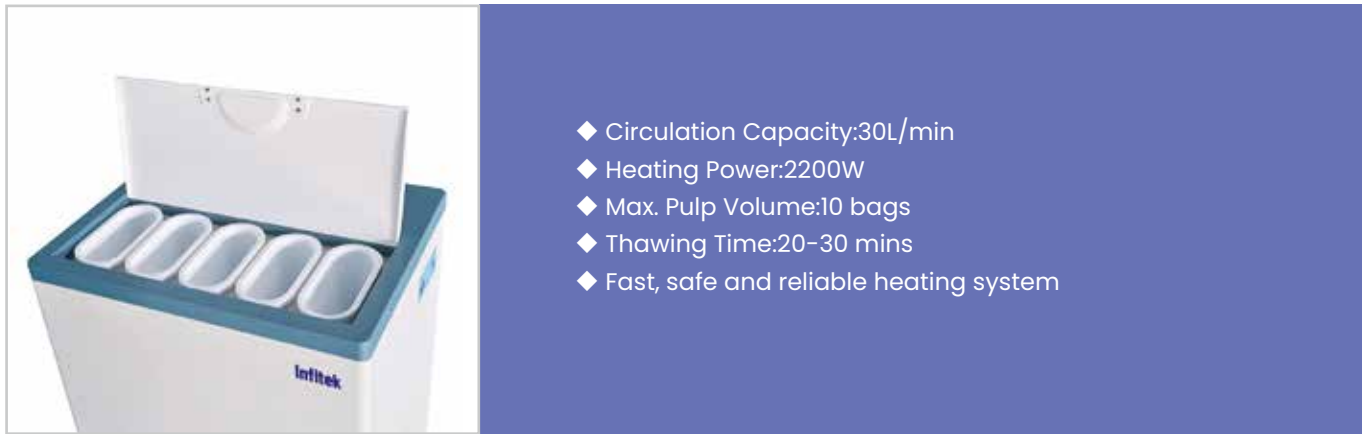


Plasma Thawers (Dry type)

PTM-1DY

Description



PTM-1DY

- ◆ When the frozen plasma is thawed, because the plasma bag is in direct contact with water, the label on the surface of the plasma bag is easily detached or blurred, which seriously affects the identification and distribution of plasma.
- ◆ At the same time, the mouth of the blood collection tube is prone to contamination in contact with water.
- ◆ If the blood plasma bag is damaged during the thawing process, it is easy to cause water pollution.
- ◆ In response to this problem, our company has carefully developed a digital constant temperature thawing box based on the most advanced thawing methods in the world.



Advantages (The ones with are our company's unique technical indicators)



◆ Disinfection and sterilization system (optional)

The equipment is equipped with UV-C ultraviolet disinfection and sterilization system, and the sterilization rate is as high as 99.99%.The system automatically schedules sterilization and disinfection every day, and can also be manually turned on for sterilization and disinfection at any time as needed, which greatly reduces and prevents adverse accidents caused by bacterial contamination of the blood bag during the thawing process.



◆ Fast, safe and reliable heating system

The equipment adopts thick film instant heating system, with fast and stable heating speed; It takes 10-12 minutes to heat from normal temperature to 37 ℃, which is safe to use; Because the heating system adopts water and electricity separation, the heating device does not directly contact with water, so as to avoid equipment failure and personal injury caused by electric leakage of heating pipe.



◆ Perfect and strict temperature control system

LCD display system; The line control is more accurate, intuitive and reliable, and the temperature is always controlled within the safe thawing range; From heating system to piping system, precise control can be achieved without complicated temperature simulation.

Description



◆ Complete record of information and traceability of quality control data

The device has a USB data export function to achieve data traceability and facilitate quality monitoring.

The device is equipped with a code scanning gun, which has a code scanning function to effectively identify the source of information. (optional)



◆ The equipment has the function of upper drainage, the studio does not need floor drain and has a sewage outlet

The equipment has a separate sewage outlet, which is convenient to clean up the impurities caused by the rupture of the blood bag and the falling off of the label, so as to avoid the blockage of pipes and pumps.



◆ Automatic cleaning function

The equipment has an automatic cleaning function, which can be operated with one key. After the cleaning is completed, the program is automatically heated, and it enters the standby state, which does not require personnel to be on duty, which is convenient to use.



◆ The thawing compartment can be adjusted freely

The thawing compartment in which the plasma is placed can freely adjust the distance of the combined interval according to the volume of the plasma bag, which greatly facilitates clinical use.

After thawing, the blood bag will be dried automatically to reduce the soaking time. The swing device is organically combined with circulating water, which is suitable for thawing frozen plasma and platelets in blood stations and hospitals.

Specifications

| Parameter | PTM-1DY |
|------------------------------|----------------|
| Thawing Method | Dry-type |
| Water Storage Capacity | 45kg±5% |
| Circulation Capacity | 30L/min |
| Temperature Control Range | RT ~ 45℃ |
| Temperature Control Accuracy | ±0.5℃ |
| Heating Power | 3200W |
| Suitable Thawing Quantity | 5 bags |
| Max. Thawing QuantityVolume | 10 bags |
| Thawing Time | 20-30 min |
| External Dimensions(L*W*H) | 57cm*49cm*96cm |
| Net/Gross Weight | 45/61Kg |



Plasma Thawers (Swing type)

PTM-1SK

Description



PTM-1SK

- ◆ When the frozen plasma is thawed, because the plasma bag is in direct contact with water, the label on the surface of the plasma bag is easily detached or blurred, which seriously affects the identification and distribution of plasma.
- ◆ At the same time, the mouth of the blood collection tube is prone to contamination in contact with water.
- ◆ If the blood plasma bag is damaged during the thawing process, it is easy to cause water pollution.
- ◆ In response to this problem, our company has carefully developed a digital constant temperature thawing box based on the most advanced thawing methods in the world.



Advantages (The ones with are our company's unique technical indicators)



◆ Disinfection and sterilization system (optional)

The equipment is equipped with UV-C ultraviolet disinfection and sterilization system, and the sterilization rate is as high as 99.99%.The system automatically schedules sterilization and disinfection every day, and can also be manually turned on for sterilization and disinfection at any time as needed, which greatly reduces and prevents adverse accidents caused by bacterial contamination of the blood bag during the thawing process.



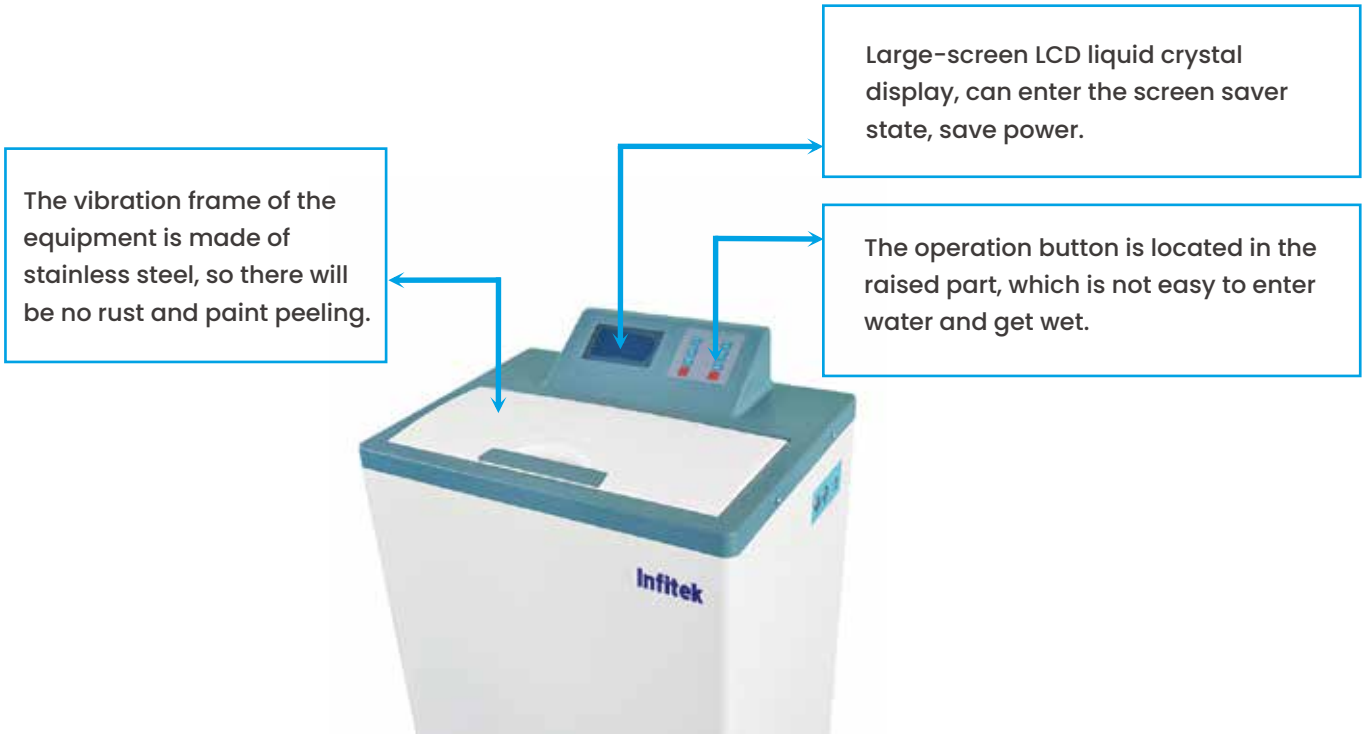
◆ Fast, safe and reliable heating system

The equipment adopts thick film instant heating system, with fast and stable heating speed; It takes 10-12 minutes to heat from normal temperature to 37 ℃, which is safe to use; Because the heating system adopts water and electricity separation, the heating device does not directly contact with water, so as to avoid equipment failure and personal injury caused by electric leakage of heating pipe.



◆ Perfect and strict temperature control system

LCD display system; The line control is more accurate, intuitive and reliable, and the temperature is always controlled within the safe thawing range; From heating system to piping system, precise control can be achieved without complicated temperature simulation.



Description



- ◆ Complete record of information and traceability of quality control data
The device has a USB data export function to achieve data traceability and facilitate quality monitoring.
The device is equipped with a code scanning gun, which has a code scanning function to effectively identify the source of information. (optional)



- ◆ The equipment has the function of upper drainage, the studio does not need floor drain and has a sewage outlet
The equipment has a separate sewage outlet, which is convenient to clean up the impurities caused by the rupture of the blood bag and the falling off of the label, so as to avoid the blockage of pipes and pumps.



- ◆ Automatic cleaning function
The equipment has an automatic cleaning function, which can be operated with one key. After the cleaning is completed, the program is automatically heated, and it enters the standby state, which does not require personnel to be on duty, which is convenient to use.



- ◆ The thawing compartment can be adjusted freely
The thawing compartment in which the plasma is placed can freely adjust the distance of the combined interval according to the volume of the plasma bag, which greatly facilitates clinical use.
After thawing, the blood bag will be dried automatically to reduce the soaking time. The swing device is organically combined with circulating water, which is suitable for thawing frozen plasma and platelets in blood stations and hospitals.

Specifications

| Parameter | PTM-1SK |
|------------------------------|-------------------------------------|
| Thawing Method | Swing type |
| Water Storage Capacity | 45kg±5% |
| Circulation Capacity | 30L/min |
| Temperature Control Range | RT ~ 45℃ |
| Temperature Control Accuracy | ±0.5℃ |
| Heating Power | 3200W |
| Suitable Thawing Quantity | 10 bags |
| Max. Thawing Quantity | 15 bags |
| Thawing Time | 10-15 mins |
| Swing Frequency | 60 cycles/min |
| Swing Mode and Amplitude | Left and right reciprocating 50mm±5 |
| External Dimensions(L*W*H) | 57cm*49cm*96cm |
| Net/Gross Weight | 48/64Kg |

Plasma Thawers (Circulating water bath type)

PTM-1WC



Fast, safe and reliable heating system
Perfect and strict temperature control system
Complete record of information and trace-ability of quality control data
Automatic cleaning function

Description

- ◆ When the frozen plasma is thawed, because the plasma bag is in direct contact with water, the label on the surface of the plasma bag is easily detached or blurred, which seriously affects the identification and distribution of plasma.
- ◆ At the same time, the mouth of the blood collection tube is prone to contamination in contact with water.
- ◆ If the blood plasma bag is damaged during the thawing process, it is easy to cause water pollution.
- ◆ In response to this problem, our company has carefully developed a digital constant temperature thawing box based on the most advanced thawing methods in the world.



Advantages (The ones with are our company's unique technical indicators)



◆ Disinfection and sterilization system (optional)

The equipment is equipped with UV-C ultraviolet disinfection and sterilization system, and the sterilization rate is as high as 99.99%.The system automatically schedules sterilization and disinfection every day, and can also be manually turned on for sterilization and disinfection at any time as needed, which greatly reduces and prevents adverse accidents caused by bacterial contamination of the blood bag during the thawing process.



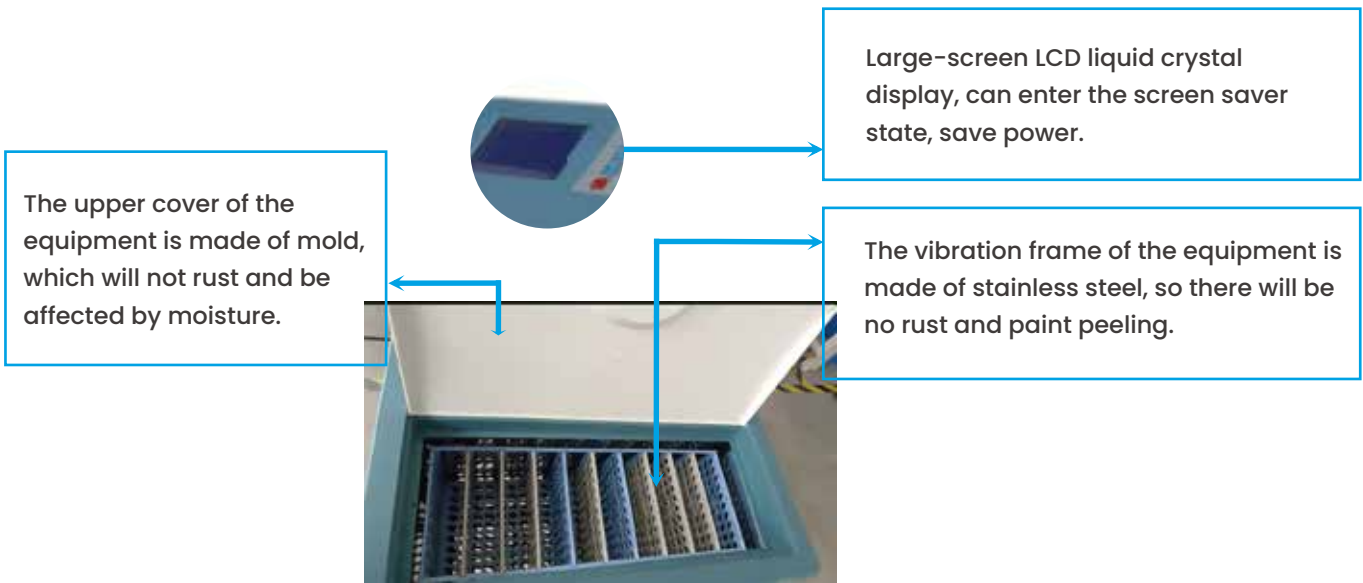
◆ Fast, safe and reliable heating system

The equipment adopts thick film instant heating system, with fast and stable heating speed; It takes 10-12 minutes to heat from normal temperature to 37 ℃, which is safe to use; Because the heating system adopts water and electricity separation, the heating device does not directly contact with water, so as to avoid equipment failure and personal injury caused by electric leakage of heating pipe.



◆ Perfect and strict temperature control system

LCD display system; The line control is more accurate, intuitive and reliable, and the temperature is always controlled within the safe thawing range; From heating system to piping system, precise control can be achieved without complicated temperature simulation.



Description



- ◆ Complete record of information and traceability of quality control data
- The device has a USB data export function to achieve data traceability and facilitate quality monitoring.
- The device is equipped with a code scanning gun, which has a code scanning function to effectively identify the source of information. (optional)



- ◆ The equipment has the function of upper drainage, the studio does not need floor drain and has a sewage outlet
- The equipment has a separate sewage outlet, which is convenient to clean up the impurities caused by the rupture of the blood bag and the falling off of the label, so as to avoid the blockage of pipes and pumps.



- ◆ Automatic cleaning function
- The equipment has an automatic cleaning function, which can be operated with one key. After the cleaning is completed, the program is automatically heated, and it enters the standby state, which does not require personnel to be on duty, which is convenient to use.



- ◆ The thawing compartment can be adjusted freely
- The thawing compartment in which the plasma is placed can freely adjust the distance of the combined interval according to the volume of the plasma bag, which greatly facilitates clinical use.
- After thawing, the blood bag will be dried automatically to reduce the soaking time.
- The swing device is organically combined with circulating water, which is suitable for thawing frozen plasma and platelets in blood stations and hospitals.

Specifications

| Parameter | PTM-IWC |
|------------------------------|-----------------|
| Thawing Method | Water bath type |
| Water Storage Capacity | 45kg±5% |
| Circulation Capacity | 30L/min |
| Temperature Control Range | RT ~ 45℃ |
| Temperature Control Accuracy | ±0.5℃ |
| Heating Power | 3200W |
| Suitable Thawing Quantity | 10 bags |
| Max. Thawing Quantity | 15 bags |
| Thawing Time | 10-15 mins |
| External Dimensions(L*W*H) | 57cm*49cm*96cm |
| Net/Gross Weight | 44/60Kg |

Plasma Thawers (Dry 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



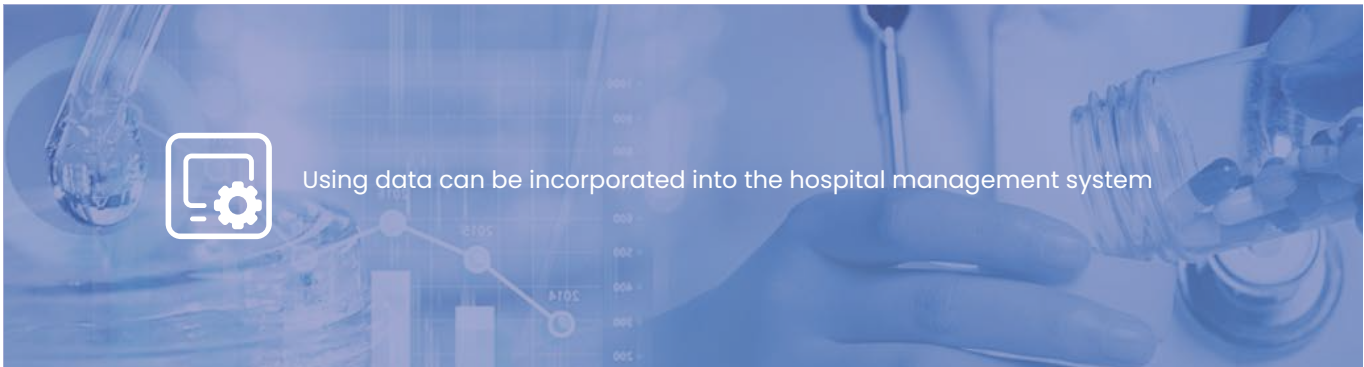
Complete information record and quality control data traceability



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: ≤ ±1℃ |
| Oscillation frenqucy/amplitude | 60r/min, 50mm±5 |
| Thawing time | ≤30min complete(under full load conditions) |
| Voltage/frequency | 220V±10%/50Hz |
| Package Dimension (W*D*H)(mm) | 1100*760*1200 (PTM-2P-WS) |