Water Bath Plasma Thawer - Circulating Blood Plasma Thawing Unit - 20 Bags - 37°C ±0.1°C

Model **MSPTM-1WCSWISS** | Brand **Master Science**





The Master Science Water Bath Plasma Thawer thaws frozen plasma, platelets and other blood products in circulating warm water. Water moves at 30 L/min around the bags, and the bath is held at 37 °C with ±0.1 °C accuracy.

KEY HIGHLIGHTS

- Traceable every run
- Controlled access
- No floor drain needed
- Bags come out dry
- Electrical safety

AT A GLANCE

37 °C, adjustable TEMPERATURE CONTROL	**48 kg ±5%** WATER STORAGE CAPACITY
3500 W HEATING POWER	**±0.1 °C** TEMPERATURE CONTROL ACCURACY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

It suits 10 bags per run and takes up to 20, with a thawing time of 10 to 15 minutes. Six custom thawing modes cover bags of different volumes. Water and plasma temperatures are recorded continuously and can be exported by USB for quality records.

Key Benefits

Traceable every run
the Master Science Water Bath Plasma Thawer stores temperature data with hospital name and operator number.

Controlled access
password lock on the operating screen.

No floor drain needed
automatic water intake and drainage.

Bags come out dry
automatic drying after thawing.

Electrical safety
heater fully separated from the water.

Related clinical instruments include the Master Science 5-part auto hematology analyzer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSPTM-1WCSWISS
SKU	MSPTM-1WCSWISS
Brand	Master Science
Model Number	MSPTM-1WCSWISS
SKU	MSPTM-1WCSWISS
Thawing Method	Circulating water bath
Circulation Capacity	**30 L/min**
Temperature Control	37 °C, adjustable
Temperature Control Accuracy	**±0.1 °C**
Heating System	PTC; room temperature to 37 °C in 10-12 min
Suitable Thawing Quantity	10 bags
Maximum Thawing Quantity	20 bags
Thawing Time	10 to 15 min
Thawing Modes	6 custom modes
Heating Power	3500 W

DISPLAY & DATA	
Water Storage Capacity	**48 kg ±5%**
Display	IPS touch screen
Data Export	USB

DIMENSIONS & WEIGHT	
External Dimensions (L×W×H)	550 × 500 × 945 mm

COMMON PROBLEMS AND HOW THIS THAWER HELPS	
Common Problems and How This Thawer Helps	How the Master Science Water Bath Plasma Thawer supports blood bank routines:
No record of thawing conditions	automatic logging and USB export.
Uneven warming	30 L/min water circulation.
Unauthorised parameter changes	password-protected interface.
Bacterial growth in the tank	removable tank and automatic cleaning.

Use

- **Adjustable dividers to fit bag size**
- **Timed on/off**
- **Six user-defined thawing modes**

Applications

The Master Science Water Bath Plasma Thawer is used for
Thawing frozen plasma Thawing platelets and other blood products of different volumes Hospital blood banks and transfusion departments

Temperature Control

- Real-time temperature and time curves
- Upper and lower limit alarms with adjustable values
- Over-temperature power-off
- Low water level protection

Records

- Automatic storage of water and plasma temperature
- USB export for quality monitoring
- Simulated thawing data for calibrating each thawing stage

Water Management

- Automatic filling and draining
- One-touch automatic cleaning, then heating to standby
- Detachable water tank for deep cleaning and disinfection