Swing Plasma Thawer - Oscillating Blood Plasma Thawing Box - 20 Bags - 60 Cycles/min

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





The Master Science Swing Plasma Thawer is a digital constant-temperature thawing box that rocks the bags while they warm. The carrier moves left and right through 50 mm at 60 cycles per minute, and the temperature is held at 37 °C within ±0.1 °C.

KEY HIGHLIGHTS

- Bags kept in motion
- Short cycle
- Documented quality
- Simple upkeep
- Safe by design

AT A GLANCE

±0.1 °C TEMPERATURE CONTROL ACCURACY	**48 kg ±5%** WATER STORAGE CAPACITY
37 °C, adjustable TEMPERATURE CONTROL	**30 L/min** CIRCULATION CAPACITY

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, thawing frozen plasma, platelets and other blood products in 10 to 15 minutes. Six custom modes, live temperature curves and stored run records are available on the IPS touch screen.

Key Benefits

Bags kept in motion
the Master Science Swing Plasma Thawer reciprocates at 60 cycles per minute.

Short cycle
10 to 15 minutes per batch.

Documented quality
temperature data stored and exportable.

Simple upkeep
automatic filling, draining and cleaning.

Safe by design
heater isolated from water, with over-temperature cut-off.

A non-swing version is the Master Science water bath plasma thawer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSPTM-1SKSWISS
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Thawing Method	Swing type
Swing Mode and Amplitude	Left-right reciprocating, 50 mm ±5
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

POWER	
Swing Frequency	60 cycles/min
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

HOW THE MASTER SCIENCE SWING PLASMA THAWER SUPPORTS PLASMA THAWING	
Cold spots in static bags	left-right swing during thawing.
Unrecorded thaw cycles	automatic logs with operator number.
Wet bags after thawing	automatic drying step.
Tank hygiene	removable tank and one-touch cleaning.

Use

- **Adjustable thawing dividers**
- **Timed on/off**
- **Six user-defined thawing modes**

Applications

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

Temperature Control

- Live temperature and time curves
- Adjustable upper and lower limit alarms
- Over-temperature power-off and low water level protection

Records and Access

- Automatic storage of water and plasma temperature
- Hospital name and operator number saved with each record
- Password lock screen
- USB export

Water Management

- Automatic water intake and drainage
- Bags dried automatically after thawing
- One-touch cleaning with return to standby
- Detachable water tank