Upright Blood Bank Refrigerator 208 L, 4°C ±1°C, 132 Blood Bags, Single Heated Glass Door

Model **MSBR4-210SWISS** | Brand **Master Science**





The Master Science Upright Blood Bank Refrigerator 208 L stores blood, medicines and biological products at 4°C ±1°C in blood banks, hospitals and disease control centres. Its 304 stainless steel chamber holds 132 blood bags of 450 mL on four shelves behind a single heated, foamed glass door.

KEY HIGHLIGHTS

- Mid-size capacity
- Accurate 4°C
- Section access
- Reliable alerts

AT A GLANCE

4 ±1°C (ambient 10-32°C)
TEMPERATURE RANGE

208 L (7.34 cu.ft)
CAPACITY

Built-in thermal printer.
UNRECORDED TEMPERATURES

Forced-air cooling with heat compensation holds 4 ±1°C.
TEMPERATURE EXCURSIONS

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

support@themsci.com
www.themsci.com

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Overview

Microprocessor-controlled forced-air cooling with electrical heat compensation keeps the cabinet stable, and four acrylic inner doors limit cold loss when only one section is accessed. Upper and lower readouts show temperature at 0.1°C resolution.

> For larger stocks, see our Double Door Blood Bank Refrigerator, 658-1008 L, a bigger option than the Upright Blood Bank Refrigerator 208 L.

Key Benefits

Mid-size capacity
132 blood bags in a 540 mm wide footprint.

Accurate 4°C
Forced-air cooling with heat compensation holds 4 ±1°C.

Section access
Four acrylic inner doors keep other shelves cold when one is opened.

Reliable alerts
Battery-backed alarms run for up to 72 hours without mains power.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSBR4-210SWISS
SKU	MSBR4-210SWISS
Capacity	**208 L (7.34 cu.ft)**
Blood Bags (450 mL)	132
Shelves	4
Temperature Range	**4 ±1°C (ambient 10-32°C)**
Cooling	Forced-air cooling
Defrost	Auto
Refrigerant	R134a (CFC-free)
Compressor	1
Sensor	NTC
Controller	Microprocessor
Noise	51.2 dB(A)
Interior Material	304 stainless steel
Exterior Material	Colour-sprayed steel
Insulation	PURF
Alarms	High/low temperature, power off, controller malfunction, backup battery malfunction
Outer Door	1, heated foamed glass
Inner Doors	4
Test Hole	1 x 25 mm

DISPLAY & DATA

Display	Digital display
Thermal Printer / Casters / LED Light	Standard

POWER

Power Consumption	2.22 kWh/24 h
Power Supply	220 V, 50 Hz, 183 W, 0.8 A
Power Failure Alarm Backup	72 h

DIMENSIONS & WEIGHT

Exterior Size (W x D x H)	540 x 640 x 1530 mm
Interior Size (W x D x H)	432 x 462 x 978 mm
Net / Gross Weight	96 / 120 kg
Package Size (W x D x H)	600 x 710 x 1720 mm

HOW IT HELPS PROTECT BLOOD STOCK	
Temperature excursions	Forced-air cooling with heat compensation holds 4 ±1°C.
Cold loss on access	Inner acrylic doors protect unopened sections.
Alarm failure in outages	72-hour battery backup.
Unrecorded temperatures	Built-in thermal printer.

The Upright Blood Bank Refrigerator 208 L is used in

- **Blood banks**
- **Hospital transfusion services**
- **Disease control centres**
- **Storage of medicines and biological products**

Temperature Control

- Microprocessor-controlled forced-air cooling
- Electrical heat compensation
- Upper and lower readouts at 0.1°C
- Auto defrost

Safety

- Audible buzzer and flashing light alarms
- Alarms for high/low temperature, power failure, abnormal voltage, door ajar and backup battery
- 72-hour battery backup for display and alarms
- Safety lock

Storage and Design

- 304 stainless steel chamber
- Heated foamed glass outer door
- Four acrylic inner doors
- Thermal printer, LED light and casters

Standard Accessories Included

- 4 shelves
- Thermal printer
- Casters
- LED interior light

Optional Accessories

- Temperature data logger