Large-Capacity Refrigerated Centrifuge 6000 rpm, 6 x 1000 mL Low-Speed Blood Centrifuge

Model **MSCFGR-6YSWISS** | Brand **Master Science**





The Master Science Large-Capacity Refrigerated Centrifuge processes up to 6 x 1000 mL per run at speeds up to 6000 rpm and 6600 xg, while the chamber is held anywhere from -20 to +40°C. It is designed for blood stations, pharmaceutical plants and biological product facilities that handle large volumes every day.

KEY HIGHLIGHTS

- High throughput
- Sample protection
- Repeatable speed
- Easy loading

AT A GLANCE

6000 rpm MAXIMUM SPEED	**6 x 1000 mL** MAXIMUM CAPACITY
AC 220/110 V, 50/60 Hz POWER SUPPLY	**-20°C to +40°C** TEMPERATURE RANGE

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

Typical jobs include blood component separation, protein precipitation and the separation and collection of cells, where both throughput and sample temperature matter.

> For smaller batches of 4 x 750 mL, our Low-Speed Refrigerated Centrifuge, 4 x 750 mL is a compact alternative to the Large-Capacity Refrigerated Centrifuge.

Key Benefits

High throughput
Six 1000 mL positions cut the number of runs needed for bulk blood or culture volumes.

Sample protection
Temperature control from -20 to +40°C with ±1°C accuracy keeps sensitive material cold.

Repeatable speed
±10 rpm speed accuracy supports consistent separation results.

Easy loading
Front control panel and a backward-opening lid supported by two hydraulic struts make daily handling comfortable.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSCFGR-6YSWISS
SKU	MSCFGR-6YSWISS
Maximum Speed	6000 rpm
Maximum RCF	6600 xg
Maximum Capacity	**6 x 1000 mL**
Speed Accuracy	**±10 rpm**
Temperature Range	**-20°C to +40°C**
Temperature Accuracy	**±1°C**
Timer	1 min to 9 h 59 min
Noise	≤ 65 dB(A)
Power Supply	AC 220/110 V, 50/60 Hz

DIMENSIONS & WEIGHT	
Dimensions (L x D x H)	800 x 740 x 930 mm
Net Weight	310 kg
Package Dimensions (L x D x H)	1000 x 880 x 1350 mm

WHERE THIS UNIT MAKES DAILY WORK EASIER	
Bulk volumes need many runs	Six 1000 mL positions handle large batches at once.
Blood bags warm during separation	Active cooling down to -20°C protects components.
Heavy lids and awkward loading	Hydraulic struts and a front panel reduce operator effort.
Vibration from uneven loads	Three-stage damping, automatic balancing and imbalance protection keep runs stable.

The Large-Capacity Refrigerated Centrifuge is used in

- **Blood stations and blood component separation**
- **Pharmaceutical production**
- **Biochemistry laboratories**
- **Biological products manufacturing**
- **Protein precipitation**
- **Cell separation and collection**

Drive and Speed Control

- High-torque brushless variable-frequency motor, maintenance-free and dust-free
- Flexible shaft drive for stable running with low vibration and noise
- 10 acceleration and 10 deceleration rates

Refrigeration

- CFC-free compressor unit
- Copper tubing wrapped around the centrifuge chamber with a double-circulation pipeline for efficient cooling
- Automatic thermostatic temperature regulation

Construction and Operation

- All-steel body with a 304 stainless steel chamber
- Three-stage vibration damping with automatic balance function
- Microcomputer control with red digital display and button programming
- 10 stored programs for routine methods

Safety

- Electric suction door lock with emergency door release
- Self-check and protection for door lock, overspeed, over-temperature and imbalance
- Aluminium alloy rotors with anti-corrosion, hardened surface

Optional Accessories

- Swing rotor No.05605: 4200 rpm, 6 x 1000 mL round cups, 5100 xg
- Swing rotor No.05606: 4200 rpm, 6 x 1000 mL oval cups, 5100 xg
- Blood bag adapter: 12 x 200 mL bags or 6 x 400-500 mL bags
- Angle rotor No.05161: 6000 rpm, 6 x 500 mL, 6600 xg