Low-Speed Refrigerated Centrifuge 6000 rpm, 4 x 750 mL Cooling Lab Centrifuge, -20 to 40°C

Model **MSCFGR-5BLSWISS** | Brand **Master Science**





The Master Science Low-Speed Refrigerated Centrifuge is built for laboratories that need to spin large sample volumes while keeping them cold. It reaches 6000 rpm and 4390 xg, holds up to 4 x 750 mL, and controls chamber temperature from -20 to +40°C with an accuracy of ±1°C.

KEY HIGHLIGHTS

- Cold separation
- Large batch volume
- Stable speed
- Fast setup

AT A GLANCE

6000 rpm MAXIMUM SPEED	**4 x 750 mL** MAXIMUM CAPACITY
AC 220 V ±22 V, 16 A POWER SUPPLY	**1 min to 99 min 59 s, or Hold** TIMER RANGE

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

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www.themsci.com

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Overview

An AC variable-frequency motor drives the rotor, and a 5-inch touch screen handles setup, so routine separations of blood, cell suspensions and other temperature-sensitive samples stay simple and repeatable.

> If your work involves small tubes at much higher speed, see our High-Speed Microcentrifuge, 15000 rpm as a companion unit to the Low-Speed Refrigerated Centrifuge.

Key Benefits

Cold separation
Chamber temperature can be held between -20 and +40°C, which protects proteins, cells and other heat-sensitive material during the run.

Large batch volume
Up to 4 x 750 mL per run reduces the number of cycles needed for bulk samples.

Stable speed
Speed accuracy of ±30 rpm gives consistent separation from run to run.

Fast setup
15 stored programs let staff recall common methods instead of re-entering them.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSCFGR-5BLSWISS
SKU	MSCFGR-5BLSWISS
Maximum Speed	6000 rpm
Maximum RCF	4390 xg
Maximum Capacity	**4 x 750 mL**
Speed Accuracy	**±30 rpm**
Motor	AC variable-frequency motor
Timer Range	**1 min to 99 min 59 s, or Hold**
Temperature Range	**-20°C to +40°C**
Temperature Accuracy	**±1°C**
Acceleration / Deceleration	9 acceleration levels, 10 deceleration levels
Noise	< 60 dB(A)
Power Supply	AC 220 V ±22 V, 16 A

DISPLAY & DATA	
Display	5-inch touch screen
Program Memory	15 programs

DIMENSIONS & WEIGHT	
Dimensions (W x D x H)	720 x 743 x 410 mm
Net Weight	110 kg

TYPICAL ISSUES THAT THIS UNIT IS DESIGNED TO ADDRESS	
Samples warming during long spins	Active cooling down to -20°C keeps the chamber cold throughout the cycle.
Too many runs for large volumes	A 4 x 750 mL capacity handles bulk volumes in fewer runs.
Inconsistent results between operators	Stored programs and ±30 rpm speed accuracy keep runs repeatable.
Risk from unbalanced loads	Imbalance, overspeed and door protection help prevent unsafe operation.

Applications

The Low-Speed Refrigerated Centrifuge suits routine cold separation work in: Clinical and hospital laboratories Blood bank sample processing Biochemistry and molecular biology labs Cell culture and cell harvesting Pharmaceutical and food quality control University teaching and research labs

Control and Display

- 5-inch touch screen for setting speed, time and temperature
- Switch between rpm and RCF display at any time
- 15 program memory slots for frequently used methods
- 9 acceleration and 10 deceleration levels to suit delicate or compact pellets

Drive and Rotors

- AC variable-frequency motor
- Optional automatic recognition of 4 rotors
- Swing-out, angle and microplate rotors available

Safety Protection

- Overspeed protection
- Door lock protection
- Imbalance protection

Optional Accessories

- Swing-out rotors (NO.1 to NO.7 rotor series, configuration per order)
- Angle rotors
- Microplate rotor
- Automatic rotor recognition