Low Speed Centrifuge - Large Capacity Benchtop Centrifuge - 6000 rpm - 4 × 750 mL

Model **MSCFG-550JPSWISS** | Brand **Master Science**





The Master Science Low Speed Centrifuge is a large-capacity benchtop unit that spins up to 4 × 750 mL with a swing rotor, or 50 mL tubes at 6000 rpm and 5502 ×g with an angle rotor. Program, RCF, speed, time, ramp rates and rotor type are all set on a colour touch screen.

KEY HIGHLIGHTS

- High volume per run
- Many tube types
- Safer runs
- Less aerosol
- Quick setup

AT A GLANCE

6000 rpm MAXIMUM SPEED	**4 × 750 mL** MAXIMUM CAPACITY
AC 220 V, 50 Hz, 10 A POWER SUPPLY	**±10 rpm** SPEED ACCURACY

Request a Quotation
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Overview

A brushless AC variable-frequency motor drives the rotor, and a double lid lock engages as soon as a run starts. Adapters cover blood collection tubes, conical tubes, bottles and microplates.

Key Benefits

High volume per run
the Master Science Low Speed Centrifuge takes up to 3 litres.

Many tube types
adapters from 3 mL blood tubes to 500 mL bottles.

Safer runs
lid lock and automatic imbalance stop.

Less aerosol
sunken exhaust passage.

Quick setup
20 stored programs and 15 ramp rates.

For higher g-force work, see the Master Science high speed benchtop centrifuge.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSCFG-550JPSWISS
SKU	MSCFG-550JPSWISS
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SKU	MSCFG-550JPSWISS
Maximum Speed	6000 rpm
Maximum RCF	5502 ×g
Maximum Capacity	**4 × 750 mL**
Speed Accuracy	**±10 rpm**
Timer	1 s to 99 h 59 min 59 s, plus short spin
Programs	20 stored, 5 differential centrifugation programs
Acceleration / Deceleration	15 rates
Motor	Brushless AC variable frequency
Safety	Double lid lock, automatic imbalance stop with alarm
Chamber	Stainless steel, double-layer steel body
Exhaust	Sunken channel to limit aerosol release
Noise	≤ 62 dB
Rotors	Swing 4 × 750 mL (4200 rpm, 3727 ×g); swing 5 mL × 96 and 5 mL × 148; swing 100 mL × 16; angle 6 × 50 mL (6000 rpm, 5502 ×g); microplate 2 or 4 deep-well plates
Display	Colour LCD touch screen

POWER	
Power Supply	AC 220 V, 50 Hz, 10 A
Power	600 W

DIMENSIONS & WEIGHT	
Dimensions (W × D × H)	640 × 515 × 450 mm
Net / Gross Weight	60 kg / 83 kg

HOW THE MASTER SCIENCE LOW SPEED CENTRIFUGE HELPS DAILY SAMPLE WORK	
Splitting large samples into many runs	4 × 750 mL per run.
Unbalanced loads damaging the rotor	automatic detection and stop.
Aerosol exposure	sunken exhaust design.
Re-entering settings each time	stored programs.

Applications

The Master Science Low Speed Centrifuge handles
Samples in 3 to 10 mL vacuum blood tubes 15 mL and 50 mL conical tubes Bottles from 100 mL to 750 mL 96-well and deep-well microplates Differential centrifugation runs

Performance

- 6000 rpm, 5502 ×g
- 4 × 750 mL capacity
- ±10 rpm accuracy

Control

- Colour touch screen
- 20 programs, 5 differential programs
- Countdown display and short spin

Safety

- Double lid lock
- Imbalance alarm and stop
- Stainless chamber, double steel body

Optional Accessories

- Swing rotors with adapters for vacuum tubes, conical tubes and bottles
- Anti-pollution swing rotor
- Microplate rotors
- RS485 communication interface