High-Speed Microcentrifuge 15,000 rpm, 21,380 ×g, 24 × 1.5/2 mL, Brushless Motor, 9 Programs

Model **MSCFG-15DPSWISS** | Brand **Master Science**









The Master Science High-Speed Microcentrifuge spins tubes at up to 15,000 rpm, generating 21,380 ×g for fast pelleting of DNA, RNA, proteins and cell debris. Speed is set in 100 rpm steps from 200 rpm, or entered directly as RCF, and a short-spin key handles quick pulse runs.

KEY HIGHLIGHTS

- Fast, strong separation
- Biosafe operation
- Gentle when needed
- One-hand use

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

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Overview

Five rotor options take 0.2, 0.5, 1.5, 2 and 5 mL tubes as well as PCR 8-strips. Rotors are high-strength aluminium, triple-sealed against aerosols and autoclavable at 121°C. A brushless DC motor reaches full speed in about 25 seconds, nine acceleration and braking levels give gentle or fast runs, and nine programs can be stored for routine methods.

For larger volumes, see our table-top high-speed centrifuges alongside the Master Science High-Speed Microcentrifuge.

Basic mini centrifuges lack speed and safety for molecular work. The Master Science High-Speed Microcentrifuge addresses:

Key Benefits

Fast, strong separation
The Master Science High-Speed Microcentrifuge reaches 21,380 ×g for quick pelleting.

Biosafe operation
Triple-sealed rotors contain aerosols and can be autoclaved.

Gentle when needed
Nine acceleration and braking levels protect delicate pellets.

One-hand use
A magnetic lid lock closes easily with one hand.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSCFG-15DPSWISS
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General	Max. speed: 15,000 rpm (200-15,000 rpm, 100 rpm steps)
General	Max. RCF: 21,380 ×g (10 ×g steps)
Capacity (by rotor)	**24 × 1.5/2 mL, 36 × 0.5 mL, 4 × PCR 8-strip, 12 × 5 mL, 18 × 5 mL**
Run time	30 s-99 min; HOLD continuous
Acceleration / deceleration time	25 s / 25 s
Acceleration and braking levels	9
Motor	Brushless DC
Rotor	Aluminium alloy, triple-sealed, autoclavable at 121°C
Safety	Dual door lock, over-speed and over-temperature detection, imbalance detection, self-diagnosis
Other functions	Speed/RCF conversion, short spin, progress display, end-of-run alarm
Electricity	200-240 V, 50/60 Hz, 400 W; or 100-120 V, 50/60 Hz, 490 W
Noise	≤64 dB
Program memory	9

DIMENSIONS & WEIGHT

External dimensions (W×D×H)	280 × 400 × 240 mm
Net weight	8.8 kg

LAB PROBLEMS THE MASTER SCIENCE HIGH-SPEED MICROCENTRIFUGE SOLVES

Incomplete pelleting	21,380 ×g compacts small pellets reliably.
Aerosol exposure	Triple-sealed rotors keep samples contained.
Unbalanced runs	Imbalance detection warns before damage.
Repetitive manual settings	Nine stored programs speed up routine work.

Applications

The Master Science High-Speed Microcentrifuge is used for
Pelleting DNA and RNA Collecting PCR products Separating antibody and protein precipitates Removing cell debris from homogenates Fractionating bacterial and yeast cells

Performance

- 15,000 rpm, 21,380 ×g
- Brushless DC motor, 25 s ramp
- 9 acceleration and braking levels

Rotors and samples

- Five rotor options: 0.2, 0.5, 1.5, 2, 5 mL tubes and PCR strips
- Triple-sealed aluminium rotors
- Autoclavable at 121°C

Usability and safety

- 9 program memories; speed/RCF conversion
- Short spin and HOLD modes
- Dual door lock and imbalance alarm
- External condensation tray

Standard Accessories Included

- High-speed microcentrifuge

Optional Accessories

- 24 × 1.5/2 mL rotor
- 36 × 0.5 mL rotor
- 4 × PCR 8-strip rotor
- 12 × 5 mL rotor
- 18 × 5 mL rotor