Microhematocrit Centrifuge 12000 rpm, 13680 xg, 24 Capillary Tubes Hematocrit Lab Centrifuge

Model **MSCFG-14DSWISS,MSCFG-12DSWISS** | Brand **Master Science**







The Master Science Microhematocrit Centrifuge spins up to 24 capillary tubes at a maximum of 12000 rpm and 13680 xg, giving the packed cell separation needed for hematocrit (packed cell volume) testing. It comes in two versions that share the same rotor and maximum force.

KEY HIGHLIGHTS

- Dedicated to hematocrit
- Two control levels
- Low upkeep
- Quick spins

AT A GLANCE

14D: ±20 rpm; 12D: ±100 rpm
SPEED ACCURACY

24 capillary tubes
ROTOR CAPACITY

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

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Overview

The 14D version offers a 200-12000 rpm range in 10 rpm steps, ±20 rpm accuracy, pulse operation and extra safety checks. The 12D version covers 500-12000 rpm in 100 rpm steps with door interlock protection. Both use a maintenance-free brushless DC motor and an LCD display.

> For general microtube work at similar speeds, see our High-Speed Microcentrifuge, 15000 rpm as a partner to the Microhematocrit Centrifuge.

Key Benefits

Dedicated to hematocrit
A 24-place capillary rotor matches routine PCV testing.

Two control levels
Choose the 14D for fine 10 rpm steps and extra safety checks, or the 12D for simpler routine use.

Low upkeep
The brushless DC motor needs no brush replacement.

Quick spins
Pulse and short-time run functions handle brief centrifugation steps.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSCFG-14DSWISS,MSCFG-12DSWISS
SKU	MSCFG-14DSWISS,MSCFG-12DSWISS
Speed Range	**14D: 200-12000 rpm, 10 rpm increments; 12D: 500-12000 rpm, 100 rpm increments**
Maximum RCF	13680 xg (both)
Rotor Capacity	**24 capillary tubes**
Speed Accuracy	**14D: ±20 rpm; 12D: ±100 rpm**
Run Time	14D: 30 s-99 min or continuous; 12D: 10 s-99 min or continuous
Motor	Brushless DC motor
Acceleration / Braking Time	14D: 30 s / 30 s; 12D: 40 s / 40 s
Safety Devices	14D: door interlock, overspeed detector, automatic internal diagnosis, automatic rotor identification; 12D: door interlock
Advanced Features	Speed/RCF switch, short-time run function, audible alert
Display	LCD
Power	14D: single-phase 200-240 V or 100-120 V, 50/60 Hz, 5 A, 160 W; 12D: single-phase 200-240 V, 50/60 Hz, 5 A, 380 W

DIMENSIONS & WEIGHT	
Dimensions (W x D x H)	14D: 280 x 364 x 274 mm; 12D: 280 x 364 x 213 mm
Weight	14D: 10.5 kg; 12D: 8.5 kg

ISSUES THIS UNIT ADDRESSES IN DAILY BLOOD TESTING	
Inconsistent cell packing	Precise speed and time control gives repeatable separation.
Long waits for results	High RCF up to 13680 xg shortens the time needed for packing.
Motor servicing downtime	The brushless motor avoids brush wear.
Lid opened during a run	Door interlock prevents opening while the rotor turns.

Applications

The Microhematocrit Centrifuge is used for
Hematocrit / packed cell volume (PCV) determination Hospital and clinical laboratories Blood testing laboratories Medical teaching laboratories

Control

- Independent setting of speed and time
- Intuitive menu with LCD display
- Speed/RCF display switch
- Short-time run function and audible alert
- Pulse operation for quick spins (14D)

Drive

- Maintenance-free brushless DC motor
- High-strength aluminium capillary rotor

Safety

- Door interlock on both versions
- Overspeed and over-temperature detection (14D)
- Automatic internal diagnosis and rotor identification (14D)

Optional Accessories

- Capillary rotor Cat. No.19400047: 24 capillary tubes, 12000 rpm, 13680 xg, high-strength aluminium