Gel Card Centrifuge 4000 rpm, 12 or 24 Cards Blood Grouping Centrifuge with Brushless Motor

Model **MSCFG-4YSWISS,MSCFG-4AYSWISS** | Brand **Master Science**





The Master Science Gel Card Centrifuge is built for blood group serology, blood typing, micro-column agglutination and immunodetection tests. It runs gel cards on a swing rotor and is offered in two sizes: the 4Y version spins 12 cards at up to 4000 rpm (1480 xg), and the 4AY version spins 24 cards at up to 3000 rpm (1192 xg).

KEY HIGHLIGHTS

- Made for gel cards
- Adjustable gradients
- Clean, low-upkeep drive
- Quick restart

AT A GLANCE

4Y: 4000 rpm; 4AY: 3000 rpm MAXIMUM SPEED	**4Y: 12 cards; 4AY: 24 cards** MAXIMUM CAPACITY
AC 110 V / 220 V, 50/60 Hz POWER SUPPLY	**1 s to 99 min 59 s** TIMER

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

support@themsci.com
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Overview

A brushless motor, microcomputer control and a digital display of time, speed and RCF keep daily operation simple, while gradient centrifugation programs can be set up to suit different reagent requirements.

> For whole blood separation in tubes, pair the Gel Card Centrifuge with our Low-Speed Refrigerated Centrifuge, 4 x 750 mL.

Key Benefits

Made for gel cards
A swing rotor holds 12 or 24 cards for micro-column agglutination testing.

Adjustable gradients
Gradient programs can be designed to match each reagent's protocol.

Clean, low-upkeep drive
The brushless motor is maintenance-free and produces no carbon dust.

Quick restart
The last program used is recalled at start-up.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSCFG-4YSWISS,MSCFG-4AYSWISS
SKU	MSCFG-4YSWISS,MSCFG-4AYSWISS
Maximum Speed	4Y: 4000 rpm; 4AY: 3000 rpm
Maximum RCF	4Y: 1480 xg; 4AY: 1192 xg
Maximum Capacity	**4Y: 12 cards; 4AY: 24 cards**
Rotor Type	Swing rotor
Speed Accuracy	**±10 rpm**
Timer	1 s to 99 min 59 s
Noise	≤ 55 dB(A)
Power Supply	AC 110 V / 220 V, 50/60 Hz

DIMENSIONS & WEIGHT	
External Dimensions	4Y: 450 x 320 x 225 mm; 4AY: 500 x 360 x 250 mm
Net / Gross Weight	4Y: 15 / 18.5 kg; 4AY: 18 / 21 kg
Shipping Dimensions	4Y: 580 x 430 x 350 mm; 4AY: 615 x 450 x 390 mm

DAILY ISSUES IN BLOOD TYPING LABS THAT THIS UNIT ADDRESSES	
Different reagents need different profiles	Custom gradient programs follow each reagent's requirements.
Repeating set-up every morning	The last program is loaded automatically on start-up.
Card volume varies	Choose 12-card or 24-card capacity to match the workload.
Unsafe opening or unbalanced loads	Electronic door lock, imbalance protection and self-diagnosis add safety.

Applications

The Gel Card Centrifuge is used for
Blood group serology Blood typing Micro-column (gel) agglutination tests Immunodetection assays Hospital transfusion and blood bank laboratories

Control

- Microcomputer control
- Digital display of time, speed and RCF
- Preset routine programs selected with one button
- Gradient centrifugation that can be designed per reagent
- 10 acceleration and 10 deceleration levels

Drive

- Brushless, maintenance-free motor
- No carbon powder contamination
- Swing rotor for gel cards

Safety

- Silent electronic door lock with emergency release
- Door lock, overspeed and imbalance protection
- Automatic fault self-diagnosis

Optional Accessories

- Swing rotor for 12 cards (4Y version): 4000 rpm, 1480 xg
- Swing rotor for 24 cards (4AY version): 3000 rpm, 1192 xg