Table Top High-Speed Refrigerated Centrifuge, 16,000 RPM, Angle Rotor 12 x 1.5/2 ml

Model **MSBKCTH16RMSWISS** | Brand **Master Science** | Unit **Pc**



Centrifuge

This centrifuge is ideal for laboratories requiring high-speed and precise sample separation under controlled temperature conditions. It supports a variety of rotor types and capacities, making it suitable for use in biology, chemistry, and clinical research.

KEY HIGHLIGHTS

- All-Steel Body
- Sealing Performance
- Button Programming
- Embedded Microprocessor Control
- Versatile Rotors

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Key Features

All-Steel Body
Durable design with a stainless steel centrifugal chamber for strength and stability.

Sealing Performance
High-quality rubber door seals ensure excellent sealing.

Button Programming
Easy-to-use interface with real-time display of all operational parameters.

Embedded Microprocessor Control
Offers precise control over speed, time, and temperature settings.

Equipped with door cover protection and an advanced electronic unbalance detection system to ensure safe operation.

Versatile Rotors
Supports various rotors to meet different experimental requirements, making it multifunctional.

Technical Specifications

PARAMETER	SPECIFICATION
Max Speed	16,000 RPM, Angle Rotor 12 x 1.5/2 ml
Max RCF (Relative Centrifugal Force)	20,878 × g
Max Capacity	6 x 100 ml, Angle Rotor, 8,000 rpm
Timing Range	1 second to 999 minutes
Speed Precision	±30 RPM or ±1%, whichever is higher

PARAMETER	SPECIFICATION
Noise Level≤65 dB(A)	
Temperature Range-20°C to +40°C	
External Size (LWH)600 x 560 x 380 mm	
Net Weight56 kg	
Packing Size (LWH)730 x 700 x 520 mm	
Gross Weight92 kg	
Refrigeration SystemFluorine-free compressor unit using R404A refrigerant for strong cooling performance.	
Power SupplyStandard 220V, 50/60Hz; Optional 110V, 50/60Hz with external transformer	

Standard Accessories Included

- 1: Rotor Type: Angle Rotor
- Capacity: 12 x 1.5/2 ml
- Max Speed (RPM): 16,000
- Max RCF (× g): 17,750
- 2: Rotor Type: Angle Rotor
- Capacity: 20 x 1.5/2 ml
- Max Speed (RPM): 15,000
- Max RCF (× g): 17,860
- 3: Rotor Type: Angle Rotor
- Capacity: 24 x 1.5/2 ml
- Max Speed (RPM): 15,000
- Max RCF (× g): 20,878
- 4: Rotor Type: Angle Rotor
- Capacity: 30 x 1.5/2 ml
- Max Speed (RPM): 13,500
- Max RCF (× g): 18,950
- 5: Rotor Type: Angle Rotor
- Capacity: 48 x 1.5/2 ml
- Max Speed (RPM): 11,000
- Max RCF (× g): 12,720
- 6: Rotor Type: Angle Rotor
- Capacity: 30 x 0.5 ml
- Max Speed (RPM): 15,000
- Max RCF (× g): 18,620
- 7: Rotor Type: Angle Rotor
- Capacity: 40 x 0.5 ml
- Max Speed (RPM): 14,000
- Max RCF (× g): 19,940
- 8: Rotor Type: Angle Rotor
- Capacity: 10 x 5 ml
- Max Speed (RPM): 16,000
- Max RCF (× g): 17,800
- 9: Rotor Type: Angle Rotor
- Capacity: 4 x 8 PCR Tubes
- Max Speed (RPM): 14,000
- Max RCF (× g): 13,720
- 10: Rotor Type: Angle Rotor
- Capacity: 6 x 10 ml
- Max Speed (RPM): 12,000
- Max RCF (× g): 14,000
- 11: Rotor Type: Angle Rotor
- Capacity: 12 x 10 ml
- Max Speed (RPM): 12,000
- Max RCF (× g): 14,520
- 12: Rotor Type: Angle Rotor
- Capacity: 6 x 50 ml
- Max Speed (RPM): 10,000
- Max RCF (× g): 11,140
- 13: Rotor Type: Angle Rotor
- Capacity: 6 x 100 ml
- Max Speed (RPM): 8,000
- Max RCF (× g): 7,283