

**MASTER SCIENCE Table-Top High-Speed Centrifuges –  
MSBKCTH18IISWISS & MSBKCTH21SWISS**



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**Overview:**

The **MASTER SCIENCE Table-Top High-Speed Centrifuges**, models **MSBKCTH18IISWISS** and **MSBKCTH21SWISS**, provide rapid, precise, and reliable sample separation for molecular biology, biochemistry, and clinical diagnostic laboratories. These compact centrifuges combine **high-speed performance, advanced safety, and user-friendly operation** for laboratories requiring consistent, reproducible results. With factory-direct supply and quick delivery within seven days, they are ideal for labs seeking high-performance, tabletop solutions.

**Key Benefits:**

- **High-Speed & Precision:**
  - MSBKCTH18IISWISS: Up to 18,800 rpm, 26,870 ×g
  - MSBKCTH21SWISS: Up to 21,000 rpm, 30,410 ×g
  - Exceptional speed precision: ±10 rpm
  - Fast and reproducible separation for sensitive biological samples
- **User-Friendly Interface:**
  - Large color LCD with full touch control
  - Stores up to 20 working programs and 5 differential centrifugation protocols
  - Intuitive programming for repetitive workflows
- **Advanced Safety Features:**
  - Double door cover locks and interlocks
  - Automatic imbalance detection and soft braking
  - Airtight rotors with automatic recognition
- **Quiet & Efficient Operation:**
  - Noise level ?58 dB
  - Brushless AC variable frequency motor, energy-efficient and maintenance-free
- **Versatile Rotor Compatibility:**
  - Supports high-temperature sterilizable rotors (121°C, 2 hours)
  - Options include PCR tubes, microplates, swing-out, and standard fixed-angle rotors
- **Remote & Customizable Operation:**
  - 485 communication interface for remote control
  - Precise countdown timing to the second

## Technical Specifications:

Feature	MSBKCTH18IISWISS	MSBKCTH21SWISS
Max Speed	18,800 rpm	21,000 rpm
Max RCF	26,870 ×g	30,410 ×g
Max Capacity	12×10 mL	6×100 mL
Speed Precision	±10 rpm	±10 rpm
Timer Range	1 sec – 99h 59min 59s	1 sec – 99h 59min 59s
Noise Level	?58 dB	?58 dB
Motor	Brushless AC, variable	Brushless AC, variable

Feature	MSBKCTH18IISWISS	MSBKCTH21SWISS
	frequency	frequency
Power	AC 220V 50/60Hz (Optional AC110V with transformer)	AC 220V 50/60Hz (Optional AC110V with transformer)
External Dimensions	426x322x340 mm	485x370x400 mm
Gross Weight	28 kg	45 kg

### Rotor Options (Sample):

- MSBKCTH18IISWISS: H0212 (12x1.5/2.2 mL), H1012 (12x10 mL), PCR strip, capillary rotors
- MSBKCTH21SWISS: H8506 (6x100 mL), E4002 (2x2x48-well plates), swing-out rotors

### Construction & Safety:

- Double-layer steel chamber with anti-corrosion coating
- Microcomputer control for real-time monitoring
- Soft braking, automatic imbalance detection, and interlocks ensure user and sample protection
- Rotors designed for airtight operation and automatic recognition

### Applications:

- Cell pelleting
- Virus isolation
- Molecular biology and biochemical assays
- Clinical diagnostics requiring high-speed separation

These centrifuges provide **speed, precision, and safety** in a compact tabletop design, making them ideal for laboratories that require **high-performance, reliable, and versatile centrifugation solutions.**

