

Centrifuge

M1324R Refrigerated Microcentrifuge

RWD microcentrifuges M1324R and M1324 simplify centrifugation, which can work stably and quietly at the maximum speed of 15800rpm. Optional rotors for different needs (PCR tubes, 1.5/2 mL EP tubes, etc.). Small footprint and low noise, touch screen interaction, all your use-defined preset programs can be called by one click. The refrigerated microcentrifuge M1324R will still make sure the stable temperature centrifugation of samples at -10°C~40°C even at the highest speed.

All the functions are designed according to your needs, which is the best choice for laboratory separation.



M1324R Microcentrifuge

► Product Characteristics

Efficient

- Quick precooling. From RT to 4° C in only 8 minutes.
- The seamlessly fit for inner cavity winding technology enables high-efficient energy transfer.
- Adjustable 10 ACC/DEC ramps to satisfy different customers' needs.

Stable and Safe

- High-density foaming technology benefits energy-saving and heat-preservation.
- Standard aerosol-tight rotor with aerospace-grade aluminum alloy withstands high temperature sterilization and avoids biohazards.
- Qualified ultrasonic non-destructive test, Schenck balancing test and extreme blasting test to protect personnel safety.
- Multiple Real-time rotor dynamic balancing monitoring system and alarm functions guarantee safe operation.

Simple

- Combination of touch screen and function keys provides quick and convenient setting and parameter use.
- 12 custom programs enable immediate centrifuge operation in multiple scenarios.
- Magnetic condensed water collection pan to eliminate inner water accumulation.
- Mechanical lock design for the centrifuge lid enables easy opening and closing.
- Quick-Lock rotor, closes with only a 1/4 turn.

Compact

- One-pipette-width compact design.
- Lid hinge design with suspending hovering optionally.



Self-locking lid



Standard aerosol-tight rotor



Combination of buttons and touch interaction



Small, quiet and durable

M1324 Ventilated Microcentrifuge



M1324 Microcentrifuge

► Product Characteristics

Excellent and Efficient

- Unique heat dissipation material and duct design to enhance heat dissipation performance.
- Double cooling system to ensure stable centrifugation of samples at the highest speed.
- Running vibration amplitude $\leq 1\mu\text{m}$ to maintain stable operation.

Stable and Safe

- Standard aerosol-tight rotor with aerospace-grade aluminum alloy withstands high temperature sterilization and avoids biohazards.
- Qualified ultrasonic non-destructive test, Schenck balancing test and extreme blasting test to protect personnel safety.
- Real-time rotor dynamic balancing monitoring system and multiple imbalance alarm functions guarantee safe operation.

Intelligent and Quiet

- Dual noise control system with intelligent three-gear fan control, full load at maximum speed noise <50dB(A).
- Combination of touch screen and function keys provides quick and convenient setting and parameter use.
- Use EPP foam material to reduce noise pollution.

Simple and Practical

- Quick-lock rotor closes with only 1/6 turn for easy and secure sample handling.
- 10 acceleration and deceleration ramps meet the centrifugation needs of different samples.
- 48 custom programs enable immediate centrifuge operation in multiple scenarios.
- Automatic lid opening design, easy and quick to take samples.

Unique air duct design

Aerosol-tight quick-lock rotor

4.3-inch touch screen

Combination of buttons and touch interaction

Custom program storage

10 acceleration and deceleration ramps

► Technical Parameters

Parameters	M1324R	M1324
Max. Speed	15800 rpm	
Max. RCF	23444 ×g	
Max. Capacity	5mL ×10	
ACC/DEC Ramps	10/10	
Display	Touch screen	
Program	12	48
Temperature Control	-10°C to 40°C	/
Noise Level	<54dB (A)	<50dB(A)
Dimension (W*H*D)	304mm*304mm*517mm	262mm*282mm*385mm
Weight (with rotor)	33kg	~22kg

Order Information

Model	Product Description
M1324R	Refrigerated Microcentrifuge (With M-F24QG rotor)
M1324	Ventilated Microcentrifuge (With M-F24QG rotor)
M-F100G	Aerosol-tight Lid, 10 × 5 mL tube quick-lock rotor
M-F240G	Aerosol-tight Lid, 24 × 1.5/2.0 mL tube quick-lock rotor
M-F24Q	24 × 1.5/2 mL tube quick-lock rotor
M-F24G	Aerosol-tight Lid, 24 × 1.5/2 mL tube rotor
M-F24	24 × 1.5/2 mL tube rotor
M-F4PCR	4 × PCR tube rotor
M-F18Kit	18 × Spin column rotor

M1416R High-Speed Benchtop Refrigerated Centrifuge

RWD High-Speed Benchtop Refrigerated Centrifuge provides intelligent centrifugation, adapting various applications from micro to medium throughput with a speed up to 18,000 rpm (30,000×g). Offer a broad selection of rotors and adaptors (swing-bucket rotors and fixed-angle rotors) to meet different customers' needs. The capacity of M1416R ranges from 24 × 2mL to 4 × 400mL, and the plate rotor also accommodates PCR and deep-well plates. In addition, equipped with a 7-inch touch screen, M1416R provides visual operation and a personalized account management system ensuring efficient and quality control.



► Product Characteristics

Simple

- Provide touch screen for quick and convenient setting and parameter use.
- More than 100 custom programs enable immediate centrifuge operation in multiple scenarios.

Efficient

- Self-lock rotor with quick-lock lid enables fast installation in 3 seconds.
- Automatic rotor recognition function for maximum operational safety.

Safe

- Multiple real-time rotor dynamic balancing monitoring system and alarm functions guarantee safe operation.
- Qualified ultrasonic non-destructive test, Schenck balancing test and extreme blasting test to protect personnel safety.

Intelligent

- Personalized account management system provides organized programs and easy operation.

► Technical Parameters

Parameters	Description
Max.RCF	30,000 X g (M-F24-2QG Rotor)
Max.speed	18,000 rpm (M-F24-2QG Rotor)
Max.capacity	400 mL X 4 (M-S4-400 Rotor)
Display	7 inch touch screen, dpi: 800 X 480px
Temperature range	-10℃ - +40℃
Noise level	61dB(A)
ACC/DEC ramps	9 /10
Program	100 set
Dimension(W*H*D)	627*409*688 mm
Weight(Without rotor)	90kg

Order Information

Model	Product Description
M-S4-400-P	4*400mL swing rotor (Incl. 15mL/50mL adaptors)
M-S4-200	4*180mL swing rotor(15mL/50mL adaptors are available)
M-S2-DWP	2*3 Standard 96-well plate(2*1 DWP)
M-F24-2QG	Aerosol-tight Lid , 24 x 2 mL tube quick- lock rotor
M-F30-2QG	Aerosol-tight Lid , 30 x 2 mL tube quick- lock rotor
M-F48-2QG	Aerosol-tight Lid , 48 x 2 mL tube quick- lock rotor
M-F18-5QG	Aerosol-tight Lid , 18 x 5 mL tube quick- lock rotor
M-F8-50QG	8 x 50 mL tube carbon fiber quick- lock rotor
M-F14-50QG	14 x 50 mL tube carbon fiber quick- lock rotor
M-F6-100QG	6 x 100 mL tube carbon fiber quick- lock rotor
M-F30-15C	30 x 15 mL tube Clinic rotor

M2-96G Gradient Thermal Cycler

The M2-96G provides precise temperature control and an intelligent user operating system to achieve rapid and specific amplification of target DNA fragments. With temperature gradient function, 12 groups of gradient can be realized at one time to optimize PCR protocol.

It is widely used in molecular biology, microbiology, genetics, cell biology, food science and agronomy to carry out experimental research such as molecular cloning, gene expression analysis, genotype identification, sequencing, and pathogenic microorganism analysis.



► Product characteristics

Intelligent and efficient linear gradient function

- 12 linear gradients in the same run allow to optimize the ideal annealing temperature.
- Temperature and time cycle can be incremented or decremented to realize different experiments like Touchdown PCR and Long PCR experiments.

Fast ramping and precise temperature control

- Fast ramp rate of up to 6 °C/s to realize efficient PCR runs.
- Long-life Peltier elements for temperature accuracy and uniformity.

Data visualization for easy operation

- 7 inch touch screen enables intuitive and quick programming.
- Personalized account management system provides organized programs and unwanted changes.

Thoughtful multifunctional design

- Processes can be imported and synchronized via USB ports and achieve multi-machine collaborative work.
- Capable for PCR experiments and constant temperature incubation function.