

Technical Specification

Model	MicroSpin-16MR
Maximum Capacity	50ml (10×5ml)
Speed Range	100~16000rpm / step increase of 10rpm
Speed Accuracy	±20rpm
Maximum RCF.	23470×g / Step increase 10×g
Temperature Setting Range	-20℃~+40℃/Step increase of 0.5℃/display accuracy of 0.1℃/control accuracy of ± 2℃
Control Temp. @ Max. Load/Max. Speed	0℃~+40℃/step increase of 0.5℃/display accuracy of 0.1℃/control accuracy of ± 2℃
Drive Motor	Maintenance-free brushless DC variable frequency motor
Effective Centrifugal Time	1-99 hours/1-59 minutes/1-59 seconds; Three modes optional; Accuracy ± 1 second
Drive Control System	FOC vector sine wave drive
Control Method	Physical keys + Knobs
Stored Program	10 built-in storage programs/5 panel shortcut program calls/equipped with NORAML buttons
Display Method	5-inch IPS full view 16M chromatic true color LCD display/resolution 800 × 480dpi
Door Locking Method	Electric control automation suction type double lock
Maximum Acceleration Time/Gear	18s/9tgears
Maximum Deceleration Time/Gear	20s/10gears, 0 gears free stop
Refrigeration compressor/refrigerant	Import SECOP® Complies with domestic 3C certification/R134a
Noise Level @ Maximum Speed	≤58dB(A)
Power Supply	AC220V/50~60Hz
Power Consumption	650W
Dimension (L×W×H)	360mm×600mm×285mm
Net Weight (without rotors)	47Kg
Protection Level	IP20
Permissible Ambient Temp./Relative Humidity	+5~40℃/80%
Interference Suppression Standard	EN 61010-1, EN 61010-2-020, EN 61326-1, EN 61010-3-2/A2

\*Ultrassay BioTech Co., Ltd. reserves the right of final interpretation of different specifications, And products upgrade without notice.

Available Rotors

M16R-A-1

for MicroSpin-16MR  
Rotor Type: Angle Rotor  
Max. Capacity: 18×1.5/2.0ml  
Max. Speed: 16000rpm  
Max. RCF: 19550×g  
Rotor material: Aluminum alloy



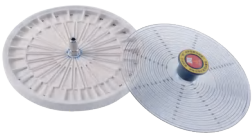
M16R-A-2

for MicroSpin-16MR  
Rotor Type: Angle Rotor  
Max. Capacity: 24×1.5/2.0ml  
Max. Speed: 16000rpm  
Max. RCF: 23470×g  
Rotor material: Aluminum alloy



M16R-A-3

for MicroSpin-16MR  
Rotor Type: Angle Rotor  
Max. Capacity: 24×50µl Capillary  
Max. Speed: 12000rpm  
Max. RCF: 13600×g  
Rotor material: Plastic



M16R-A-4

for MicroSpin-16MR  
Rotor Type: Angle Rotor  
Max. Capacity: 4×8-strips 0.2ml  
Max. Speed: 14800rpm  
Max. RCF: 16200×g  
Rotor material: Aluminum alloy



MicroSpin-16MR  
High-Speed Micro Refrigerated Centrifuge

Description

MicroSpin-16MR high-speed micro refrigerated centrifuge combines powerful functionality, high versatility, and ease of operation. It uses advanced control technology, is reliable in quality, and has excellent performance, making it widely used in medical laboratories, biochemical and molecular biology research, and routine analysis in industrial laboratories. Its applications are particularly notable in genetic research, proteins and nucleic acids, and PCR product experiments. It can accommodate various types of rotors to meet the needs of daily laboratory applications.



Features

- Smaller footprint, saving valuable laboratory space;
- Wide selection of rotors and adapters, suitable for all commonly used centrifuge tubes;
- Imported refrigeration compressor/R134a eco-friendly refrigerant, PID digital temperature control, faster and more precise cooling; samples can be maintained at 4°C even at maximum speed;
- Independent pre-cooling rapid cooling function on the panel, reaching 4°C in a very short time at room temperature;
- Temperature self-calibration function under different environments, no human intervention required;
- Automatic rotor recognition and imbalance detection to ensure centrifuge safety;
- An independent Flash centrifugal button for quick centrifuging;
- Electrically suctioned double door lock design, gently press to quickly close the lid safely and quietly;
- Centrifuge lid with dual gas strut support ensures smoother opening and closing, with lower opening height;
- 10 customizable storage programs / 5 quick-access programs on the panel for easier and faster operation;
- Centrifuge chamber coated with Teflon to resist highly corrosive samples;
- Lid gasket made of imported gas-phase adhesive with integrated molding, providing long-lasting and better sealing performance;
- 5-inch IPS full-view 16 million color true-color LCD display, adjustable brightness, fully meeting health requirements;
- External USB 2.0 interface for system upgrades and experiment data download;
- Built-in start timing and stable timing modes effectively calculate centrifugation efficiency;
- Multiple shutdown music tunes, with adjustable music and alert duration, making experiments more comfortable;
- Display interface supports switching between Chinese and English menus;


Order Information

Part.No.	Part Name	Tube Specification	Refer to	Standard/optional
M.01.035	MicroSpin-16MR	-	-	
L.02.003	16R A-1	PP round/conical bottom with cover	Host	Optional
L.02.031	16R A-1(2)	PP round/conical bottom with cover	Host	Optional
L.02.004	16R A-2	PP round/conical bottom with cover	Host	Optional
L.02.005	16R A-3	PP cone bottom with cover	Host	Optional
L.02.006	16R A-4	PP round bottom with cover	Host	Optional
L.02.030	16R A-4(2)	PP cone bottom with cover	Host	Optional
L.02.007	16R A-5	PP cone bottom with cover	Host	Optional
L.02.008	16R A-6	PP cone bottom with cover	Host	Optional
L.02.009	16R A-7	PP cone bottom with cover	Host	Optional
L.02.010	16R A-8	PP round bottom with cover	Host	Optional
L.02.011	16R A-9	PP round bottom with cover	Host	Optional
L.06.003	A-1.1	PP cone bottom with cover	A-1/A-2	Standard
L.06.004	A-1.2	PP cone bottom with cover	A-1/A-2	Standard
B.07.021	A-7.1	PP cone bottom with cover	A-7	Optional
B.07.022	A-7.2	PP round bottom with cover	A-7	Optional

Available Rotors

M16R-A-5

for MicroSpin-16MR  
Rotor Type: Angle Rotor  
Max. Capacity: 10×5ml  
Max. Speed: 16000rpm  
Max. RCF: 18140×g  
Rotor material: Aluminum alloy



M16R-A-6

for MicroSpin-16MR  
Rotor Type: Angle Rotor  
Max. Capacity: 8×5ml  
Max. Speed: 16000rpm  
Max. RCF: 19380×g  
Rotor material: Aluminum alloy




M16R-A-7


for MicroSpin-16MR  
Rotor Type: Angle Rotor  
Max. Capacity: 30×0.5ml  
Max. Speed: 15000rpm  
Max. RCF: 16350×g  
Rotor material: Aluminum alloy



M16R-AP



0.5ml Adapter



0.2ml Adapter

