

**Features:**

1. Smaller footprint, saving valuable laboratory space;
2. Extensive selection of rotors and adapters for all commonly used centrifuge tubes;
3. Imported refrigeration compressor unit R134a environmentally friendly refrigerant, PID digital temperature control, faster and more accurate refrigeration effect, at the highest speed, it can still keep the sample at 4°C;
4. The independent Pre-Cooling fast pre-cooling function on the panel can reach 4°C in a very short time at room temperature;
5. It has temperature control and self-tuning function in different environments without human intervention;
6. Rotor automatic identification and imbalance detection to ensure centrifugation safety;
7. Separate flash momentary centrifugal button, that is, press and turn;
8. Electric suction double door lock design, the door cover can be quickly closed with a single touch, quieter and safer;
9. The centrifugal door cover is supported by double air rods to make the opening and closing of the door smoother and the opening height lower;
10. 30 custom stored programs/5 shortcut stored programs on the panel call, more convenient and fast;
11. The centrifuge cavity is coated with Teflon to resist the centrifugation of highly corrosive samples;
12. The sealing ring of the door cover is molded with imported gas-phase glue, which meets the long-life use and has a better sealing effect;
13. 7-inch IPS full-viewing angle 16 million chromaticity true-color LCD display with adjustable brightness, which fully meets health demands;
14. External USB2.0 interface is convenient for system upgrade and experimental data download;
15. Built-in startup timing and stable timing can effectively calculate the centrifugal efficiency;
16. A variety of shutdown music ringtones, the duration of the music and the prompt tone can be adjusted to make the experiment more comfortable;
17. The display interface supports switching between Chinese and English menus;

Specification

Product number	M500R
input power	AC220V/50~60Hz
input power	650W
Maximum capacity	480ml (15ml×32)
range of rotation	200~6000rpm/increase 10rpm
speed accuracy	±20rpm
relative centrifugal force	5150×g/step increase 10×g
Static temperature setting range	-20°C~+40°C/increment 0.1°C/display accuracy 0.1°C/control accuracy ±2°C
Temperature control at maximum load /speed	0°C~+40°C/increment 0.1°C/display accuracy 0.1°C/control accuracy ±2°C
drive motor	Maintenance-free brushless DC inverter motor
Effective centrifugation time	1-99 hours/1-59 minutes/1-59 seconds; three modes are optional; accuracy ±1 second
drive control system	Infineon Vector Sine Wave Driver
Display method	7-inch IPS full viewing angle 16 million chroma true color LCD display/resolution 1024×600dpi
control method	Multi-touch + physical buttons
stored program	30 built-in stored programs / 5 panel shortcut program calls / equipped with NORAML buttons
Door lock method	Electric control automatic suction double lock
Fastest acceleration time [sec]/up gear	30s/9 gears
Fastest deceleration time [sec]/downshift	25s/10 gears, 0 gear free stop
Refrigeration compressor /refrigerant	Imported SECOP® complies with domestic 3C certification/R134a
Dimensions: length x width x height	560mm×680mm×376mm
Weight (without rotor)	76Kg
Noise level at maximum speed (≈)	≤65dB(A)
degree of protection	IP20
Allowable ambient temperature /relative humidity	+5~40°C/80%
Interference Suppression Standard	EN 61010-1, EN 61010-2-020, EN 61326-1, EN 61010-3-2/A2

Ordering Information

Part No.	Descriptions
M.01.023	M500R Low Speed Refrigerated Centrifuge with Standard Rotor M500R-S
L.05.002	M500R-S Rotor body /adapted to M500R-S-1~M500R-S-8 hanging basket
L.03.001	5R-1 Hanging basket /50ml×4
L.03.003	5R-2 Hanging basket /100ml×4
L.03.002	5R-3 Hanging basket /50ml×8
L.03.004	5R-4 Hanging basket 8/10/15ml×24 pieces
L.03.005	5R-5 Hanging basket 8/10/15ml×32 pieces
L.03.006	5R-6 Hanging basket 3/5ml×48 pieces
L.03.007	5R-7 Hanging basket 3/5ml×64 pieces
L.03.008	5R-8 Hanging basket 3/5/7ml×72 pieces
L.06.008	5R-6.1 Conversion adapter 3ml×48pcs/standard M500R-S-6
L.06.009	5R-7.1 Conversion adapter 3ml×64pcs/standard M500R-S-7
L.03.017	5R-10 microtiter plate 4 microwell plates ×2×96/2 deep well plates×2×96
L.02.001	5R-11 Angle rotor /15ml×12 pieces
L.02.002	5R-12 Angle rotor /50ml×8 pieces
L.06.017	5R-11.1 Conversion adapter 5ml suitable for 5R-4/5R-5/5R-11
L.06.018	5R-11.2 Conversion adapter 8/10ml suitable for 5R-4/5R-5/5R-11
L.06.019	5R-12.1 Conversion adapter 15ml for 5R-12
L.06.020	5R-1.1 Conversion adapter 50ml conical bottom test tube to round bottom test tube
L.06.021	5R-4.1 Conversion adapter 15ml conical bottom test tube to round bottom test tube
L.06.021	5R-4.1 Conversion adapter 15ml conical bottom test tube conversion round bottom test tube is suitable for 5R-4/5R-

Rotors



M500R-S

 5000rpm

 4980×g



5R-1

 50ml

 50ml×4

 5000rpm

 4980×g

 PP



5R-2

 100ml

 100ml×4

 5000rpm

 4600×g

 PP



5R-3

 50ml

 50ml×8

 4000rpm

 3040×g

 PP



5R-4

 10/15ml

 10/15ml×24

 4000rpm

 3040×g

 PP



5R-5

 10/15ml

 10/15ml×32

 4000rpm

 3040×g

 PP



5R-6

 5ml

 5ml×48

 4000rpm

 3040×g

 13×100mm



5R-7

 5ml

 5ml×64

 4000rpm

 3040×g

 13×100mm



5R-8

 3/5/7ml

 3/5/7ml×72

 4000rpm

 3040×g

 G



5R-10

 4 ×2×96

 2: ×2×96

 3500rpm

 2190×g



5R-11

 10/15ml

 15ml×12

 6000rpm

 5150×g

 PP



5R-12

 50ml

 50ml×8

 6000rpm

 5150×g

 PP



5R-6.1

 3ml

 5R-6/5R-7

 13×75mm



5R-11.1

 5ml

 5R-4/5R-5/5R-11

 13×100mm



5R-11.2

 8/10ml

 5R-4/5R-5/5R-11

 16×100mm



5R-12.1

 15ml

 5R-12

 PP



5R-1.1

 50ml

 5R-1/5R-3/5R-12

 PP



5R-4.1

 15ml

 5R-4/5R-5/5R-12

 PP