MC-24　High-speed centrifuge

Centrifuge

Introduction

The Miulab MC-24 High-Speed Centrifuge is designed for use in life sciences, biology, molecular biology, physical and chemical analysis, and other fields. It is suitable for separating cells, proteins, virus samples and other materials. The centrifuge reaches a maximum speed of 15,000 rpm.

Characteristics:

1. High-speed and stable operation, the rotor and the motor shaft are matched with high-precision cones, high concentricity, and low operating noise.
2. Both the upper cover and the lower shell adopt high-strength metal protective rings, which have high structural safety and ensure the safe operation of the rotor at high speed.
3. The invention patent of the upper cover safety lock ensures the safety during operation. It automatically pops up after the operation is completed, and has one-key open cover function.
4. Adopting the three-dimensional air inlet circulation cooling method, the cooling effect is good, and the temperature rise of the rotor is low.
5. Powerful DC brushless motor, maintenance-free, fast drive, ultra-quiet operation, low noise level.
6. After the centrifugation is finished, the sound prompts and the cover will automatically opened, which is convenient for the sample to cool down; the brake is soft to protect the special sensitive samples.
7. The speed up/down speed is adjustable, suitable for different experimental requirements.
8. It adopts 4.3-inch color LCD screen, which can display the speed, centrifugal force and time at the same time.
9. The buzzer prompts after the operation is completed, with the function of displaying the running status and prompting the error code.
10. With PROG key, you can call the built-in 10 groups of programs with one key, which is convenient and quick to use.
11. Equipped with a momentary centrifugal button, which can be centrifuged quickly to meet more experimental needs.
12. High-strength aluminum alloy rotor has no service life limit and can be sterilized by high temperature and high pressure.
13. One machine for multiple purposes, suitable for 0.2, 0.5, 1.5, 2.0, 5.0ml centrifuge tubes and PCR centrifuge tubes, four rotors are available.

Accessories



MC-A: 5ml×18
Max. speed: 15000rpm
Max. RCF: 21400×g



MC-B: 0.2ml×32
0.2ml×8 strip×4
Max. speed:15000rpm
Max. RCF:17624×g



MC-C: 0.5ml×36
Max. speed:15000rpm
Max. RCF:21400×g



MC-D: 0.2ml/0.5ml/1.5ml/2ml×24
Max. speed:15000rpm
Max. RCF:21400×g



MC-D-1： 2ml to 0.2ml test tube set MC-D-2： 2ml to 0.2ml test tube set



Technical parameter

Model	MC-24	Working noise	≤62 dB
Speed range	500-15000rpm (incvement: 100rpm)	Safety	High-strength metal protective ring, safety door lock, overspeed, overtemperature, status diagnosis
Time range	1s-99min59s (can be centrifuged instantly)		
Speed up down time range	25 or 45s (to protect special sensitive samples from resuspension)	Other functions	Speed/acceleration display function, instantaneous centrifugal function, running progress display, sound prompt function
Rotor capacity	0.2ml/0.5ml/1.5ml/2mlx24; 0.2ml×8 strip×4; 0.5mlx36; 5ml×18;	Voltage	AC 220V 50Hz
		Max. power	500W
Max. RCF	21400xg	Fuse	250V ,10A, φ5×20
Temp. range	/	Dimensions (W x D x H)	W.238XD.335XH.208mm
Temp.control accuracy (at 4°C)	/	Net weight	13kg
Time from R. T. to 4°C	/		

MC-24C High Speed Refrigerated Centrifuge

Centrifuge

Introduction

MC-24C refrigerated centrifuge is a high-speed centrifuge with freezing function. Due to the refrigeration system, the temperature of the centrifuge chamber can be precisely controlled, the extraction of biological reagents that require strict low temperature control can be met, and the centrifugation efficiency can be improved. It is an indispensable and important tool widely used in biochemistry, medical and health, food safety, life science, agriculture and forestry science, animal husbandry science, blood bank, blood bank, biological products, pharmaceutical products and other fields.

Characteristics:

1. Instatic pre-cooling mode, when the centrifuge cover is closed, if the set temperature is lower than the ambient temperature, the compressor will automatically starts to cool.
2. The sample temperature can still maintaine at 4°C when running at the highest speed, intermittent temperature control mode, fluorine-free refrigeration, low carbon and environmental protection.
3. Strong cooling capacity, the centrifuge chamber can be lowered from room temperature to 4°C in less than 8 minutes.
4. High-speed and stable operation , the rotor and the motor shaft are matched with high-precision cones, with high concentricity and low noise.
5. High-strength metal protective rings are used in the upper and lower shell, which have high structural safety and ensure the safe operation of the rotor at high speed.
6. Patent of the upper cover safety lock technology ensures the safety during operation, and has one-button cover opening function.
7. Powerful DC brushless motor, maintenance-free, fast drive, ultra-quiet operation, low noise.
8. Soft-brake function to protect special sensitive samples, and the lifting speed is adjustable to prevent the sample from being resuspended.
9. Using 4.3-inch color LCD screen, can display speed, centrifugal force and time at the same time.
10. Has the function of beeping sound when operation completed, and has the function of running status display and error code prompting.
11. There is a PROG key to call the built-in 10 groups of programs with one key, which is convenient and quick to use.
12. Equipped with an instant centrifugation button, it can be centrifuged quickly to meet more experimental needs.
13. High-strength aluminum alloy rotor, no service life limit, can be sterilized at high temperature and high pressure.
14. One machine multi-purpose, suitable for 0.2, 0.5, 1.5, 2.0, 5.0ml centrifuge tubes and PCR tubes, and 4 rotors are optional.
15. After the rotor is replaced, the rotor model can be automatically identified, and no need to manually set the rotor model.

Accessories



MC-A: 5ml×18
Max. speed: 15000rpm
Max. RCF: 21400×g



MC-B: 0.2ml×32
0.2ml×8 strip×4
Max. speed:15000rpm
Max. RCF:17624×g



MC-C: 0.5ml×36
Max. speed:15000rpm
Max. RCF:21400×g



MC-D: 0.2ml/0.5ml/1.5ml/2ml×24
Max. speed:15000rpm
Max. RCF:21400×g



MC-D-1 ： 2ml to 0.2ml tube adapters MC-D-2 ： 2ml to 0.2ml tube adapters



Technical parameter

Model	MC-24C	Working noise	≤57dB
Speed range	500-15000rpm (increment: 100rpm)	Safety performance	High-strength metal protective ring, safety cover lock, overspeed, overtemperature, status diagnosis
Time range	1s-99min59s (can be centrifuged instantly)		
Speed up down time range	15 or 45s (to protect special sensitive samples from resuspension)	Other functions	Speed/acceleration display function, instantaneous centrifugal function, running progress display, sound prompt function
Rotor capacity	0.2ml/0.5ml/1.5ml/2mlx24; 0.2ml×8 strip×4; 0.5mlx36; 5ml×18;	Voltage	AC 220V 50Hz
		Max. power	1000W
Max. RCF	21400xg	Fuse	250V ,15A, φ5×20
Temp. range	-20°C to +40°C	Dimensions (W x D x H)	W.335XD.574XH.234mm
Temp.control accuracy (at 4°C)	±2°C	Net weight	26kg
Time from R. T. to 4°C	≤8min		