



# M15

## Centrifuge



# M15 High speed centrifuge

 Fast  Quiet  Safe

## Application

The M15 high-speed centrifuge combines powerful functions, high versatility, easy operability and other advantages. It adopts the latest control technology, has reliable quality and superior performance, and is widely used in medical laboratories, biochemical and molecular biology research and routine analysis in industrial laboratories is more significant in experimental research on genetic genes, proteins, nucleic acids, and PCR products.

## Feature



## Rotor



#1 rotor  
1.5/2ml×24  
15000rpm/20375×g



#1(2) rotor  
1.5/2ml×18  
15000rpm/17180×g



#2hematocrit rotor  
50μl×24  
12000rpm/13600×g



#3rotor  
5ml×10孔  
13500rpm/12920×g



#3(2)rotor  
5ml×8  
13500rpm/13800×g



#4rotor  
0.2ml×8孔,×4  
14800rpm/16200×g



#5 rotor  
0.5ml×36  
13500rpm/13250×g



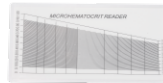
#6 rotor  
1.5/2ml×12  
15000rpm/15650×g



A-1.1 adapter  
0.2ml



A-1.2 adapter  
0.5ml



A-2.1Capillary Reader Card

## Advantages

- The advanced and reliable Infineon vector sine wave drive control system can accurately control the speed, time and relative centrifugal force;
- Brushless maintenance-free variable frequency induction motor, speed range 100 ~ 15000rpm, accuracy  $\pm 20$ rpm;
- Centrifugal speed and centrifugal force step adjustment is 10rpm/10×g, time control: 1-99 minutes or 1-59 seconds, accuracy  $\pm 1$  second/flash centrifugation, press and hold to achieve fast and convenient centrifugation, automatic memory of the last experimental value;
- High-strength host and rotor materials can resist various chemical corrosion, with sealing performance and unlimited high temperature disinfection function;
- Single large-size LED digital LCD display, clear operating parameters, separate
- Speed/Rcf parameter setting and mutual conversion buttons , convenient for quick adjustment and real-time viewing of relative centrifugal force during operation;
- Single-button turning control allows you to quickly change parameters;
- Equipped with door cover protection, overspeed, overvoltage current and imbalance detection system, it can monitor the centrifugation process in real time to ensure the safe operation of the instrument. When the operation is completed, an error occurs or an imbalance occurs, a sound signal prompts, the operation is stopped at the same time, and the LED displays an error code;
- Forced ventilation cooling and excellent air heat exchange technology can significantly and effectively reduce the increase in rotor temperature and ensure that the sample is not damaged. The centrifuge door cover is automatically opened after centrifugation to prevent the sample from overheating and facilitate sample access;
- There is an isolation layer outside the centrifuge chamber that can fully absorb noise, reduce vibration, and give experimenters peace of mind;
- Automatic rotor recognition and imbalance detection ensure centrifugation safety;
- Teflon-coated stainless steel chamber, rugged construction for continued use

## Specifications

Model	M15
Power supply	AC220V/50 ~ 60Hz
Input power	450W
Maximum capacity	50ml(5ml×10)
speed range	100~15000rpm/ increment 10rpm
Speed accuracy	±20rpm
Maximum RCF	20375×g/ increment 10×g
Motor	Maintenance-free brushless variable frequency induction motor
Time range	1-99min/1-99s; Two modes available; accuracy ±1 second
Drive control system	FOC vector sine wave drive
Display Mode	Full-segment/monochrome LED high-brightness digital tube
Control method	Physical buttons + knobs
Door cover locking method	Mechanical pressing, electronically controlled door opening
Fastest acceleration time [sec]	18s/9 gears
Fastest deceleration time [sec]	20s/10 gears, free stop at 0 gear
Dimensions: length x width x height	280mm×360mm×250mm
Weight (without rotor)	17Kg
Noise level at maximum speed(≈)	≤60dB(A)
Ambient temperature/relative humidity	+5~40°C/80%
Protection level	IP20
Interference suppression standards	EN 61010-1,EN 61010-2-020,EN 61326-1,EN 61010-3-2/A2

Note: When the ambient temperature is 23°C

## Rotor information

Product No.	Model	Acceptable test tube types and sizes	Applies to	Standard/Optional
M.01.011	M15	-	-	
L.02.012	#1	PP round/conical bottom with cover	Main unit	Optional
L.02.031	#1(2)	PP round/conical bottom with cover	Main unit	Optional
L.02.013	#2	Capillary φ1.5mm×L75mm	Main unit	Optional
L.02.014	#3	PP round bottom with cover	Main unit	Optional
L.02.030	#3(2)	PP cone bottom with cover	Main unit	Optional
L.02.015	#4	PP cone bottom PCR tube with cover	Main unit	Optional
L.02.016	#5	PP cone bottom with cover	Main unit	Optional
L.06.005	A-1.1	PP cone bottom with cover	A-1	Optional
L.02.006	A-1.2	PP cone bottom with cover	A-1	Optional
L.10.010	A-2.1	-	A-2	Optional