

## Refrigerated | High speed | Floorstanding

## LG-22M



Order No.:011112201

The LG-22M is a floor standing high speed refrigerated centrifuge with intelligent LCD touch screen, which can meet the needs of large capacity and high speed at the same time. Widely used in pharmaceutical factories, blood banks, universities laboratories, scientific research enterprises and other fields.

## FEATURES

## User-friendly functions

- >up to 1000 user-defined programs
- >up to 100000 run histories, can be exported as PDF file
- >up to 40 rates acceleration and deceleration
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >LCD touch screen for viewing and setting parameters
- >Support short spin and continuous centrifugation
- >Automatic door open without manual lifting
- >Automatic rotor lock, without using any tools.

## Ensure safety

- >Automatic rotor recognition to prevent overspeed
- >Motorized electronic self-priming door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >Various protections to ensure safe centrifugation
- >User management by password, with permission allocation

## Refrigeration

- >High quality compressor unit
- >-20°C to +40°C, 1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

## Good components

- >Motor: Variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Strong metal
- >Rotors are autoclavable

## Multi-level permission assignment

Freely set management permissions according to needs, which is convenient for user management; users can use the device through passwords and electronic identification cards.

## Optional

## Intelligent management platform

Connect with the PC through the communication interface, access the user equipment management platform, and upload equipment data in real time, which can realize batch remote monitoring and facilitate data management.

## Multifunctional operating system

Microprocessor control. Precisely control various parameters through PID adjustment to realize electronic records and electronic signature.

## Optional

## Traceability of centrifuge records

The sample number can be manually or automatically scanned and input, and the centrifugation record of each sample can be traced.

## TECHNICAL DATA

Max Speed	22000rpm
Max RCF	52050xg
Max Capacity	6x500ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s~ 99h59m59s
Noise	≤65dB(A)
Power Consumption	5000w
Dimension	740x720x900mm
Weight	250kg

## AVAILABLE ROTORS



Order No.:10101600100  
Rotor:Fixed angle rotor  
Capacity:16×10ml  
Max speed:22000rpm  
Max RCF:52050×g  
Tube size:Φ16×86mm



Order No.:10102400020  
Rotor:Fixed angle rotor  
Capacity:24×1.5/2.2ml  
Max speed:21000rpm  
Max RCF:45754×g  
Tube size:Φ11×42mm



Order No.:10100600503  
Rotor:Fixed angle rotor  
Capacity:6×50ml round bottom  
Max speed:20000rpm  
Max RCF:44800×g  
Tube size:Φ29×111mm



Order No.:10100800503  
Rotor:Fixed angle rotor  
Capacity:8×50ml round bottom  
Max speed:18000rpm  
Max RCF:38460×g  
Tube size:Φ29×111mm



Order No.:10100601000  
Rotor:Fixed angle rotor  
Capacity:6×100ml  
Max speed:16000rpm  
Max RCF:30910×g  
Tube size:Φ38×123mm



Order No.:10100801000  
Rotor:Fixed angle rotor  
Capacity:8×100ml  
Max speed:12000rpm  
Max RCF:19830×g  
Tube size:Φ38×123mm



Order No.:10100403000  
Rotor:Fixed angle rotor  
Capacity:4×300ml  
Max speed:14000rpm  
Max RCF:28150×g  
Tube size:Φ61×136mm



Order No.:10100603000  
Rotor:Fixed angle rotor  
Capacity:6×300ml  
Max speed:12000rpm  
Max RCF:24110×g  
Tube size:Φ61×136mm



Order No.:10100605000  
Rotor:Fixed angle rotor  
Capacity:6×50ml  
Max speed:10000rpm  
Max RCF:18590×g  
Tube size:Φ74×170mm



Order No.:10000600024  
Rotor: Microplate rotor  
Capacity:2×3×96 well plate  
Max speed:4000rpm  
Max RCF:1970×g  
max:128×87×60mm



Order No.:10000400508  
Rotor: Swing out rotor  
Capacity:4×50ml  
Max speed:10000rpm  
Max RCF:16200×g  
Tube size:Φ29×111mm



Order No.:10000400308  
Rotor: Swing out rotor  
Capacity:4×30ml  
Max speed:13000rpm  
Max RCF:23800×g  
Tube size:Φ25.5×90mm



Order No.:10001600058  
Rotor: Swing out rotor  
Capacity:4×4×5ml  
Max speed:12000rpm  
Max RCF:11900×g  
Tube size:Φ14×54mm