

Refrigerated | High speed | Floorstanding

LG-18



Order No.:011111800

The LG-18 is a multipurpose floor standing high speed refrigerated centrifuge with intelligent LCD touch screen. Equipped with RFID rotor identification technology and three-axis gyroscope real-time monitoring technology. It can spin up to 18000rpm/31405xg, 15 rotors for choice to meet different centrifugal needs.

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, speed downs curvly slowly from 600rpm to 0rpm to prevent samples shake
- > up to 7 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > Support short spin and continuous centrifugation
- > LCD touch screen for viewing and setting parameters

Ensure safety

- > RFID automatic rotor identification
- > Imbalance detection by three axis gyroscope
- > Motorized electronic 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
- > With never be lost electronic instruction manual

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: Aluminum alloy fixed angel rotor; Aluminum alloy/Stainless steel swing out rotor.
- > Rotors are autoclavable

TECHNICAL DATA

Max Speed	18000rpm
Max RCF	31405xg
Max Capacity	4x250ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s~ 99h59m59s
Noise	≤60dB(A)
Power Consumption	1800w
Dimension	680x620x840mm
Weight	134kg

AVAILABLE ROTORS



Order No.:10101200020

Rotor:Fixed angle rotor
Capacity:12×1.5/2.2ml
Max speed:18000rpm
Max RCF:22675×g
Tube size:Φ11×42mm



Order No.:10101200050

Rotor:Fixed angle rotor
Capacity:12×5ml
Max speed:16000rpm
Max RCF:20807×g
Tube size:Φ14×54mm



Order No.:10102400020

Rotor:Fixed angle rotor
Capacity:24×1.5/2.2ml
Max speed:16000rpm
Max RCF:24814×g
Tube size:Φ11×42mm



Order No.:10102400021

Rotor:Fixed angle rotor
(aerosol tight)
Capacity:24×1.5/2.2ml
Max speed:18000rpm
Max RCF:31405×g
Tube size:Φ11×42mm



Order No.:10101200100

Rotor:Fixed angle rotor
Capacity:12×10ml
Max speed:15000rpm
Max RCF:20803×g
Tube size:Φ16×86mm



Order No.:10100600503

Rotor:Fixed angle rotor
Capacity:6×50ml
round bottom
Max speed:13000rpm
Max RCF:18440×g
Tube size:Φ29×111mm



Order No.:10100600502

Rotor:Fixed angle rotor
Capacity:6×50ml
conical bottom
Max speed:13000rpm
Max RCF:18440×g
Tube size:Φ29×116mm



Order No.:10100401000

Rotor:Fixed angle rotor
Capacity:4×100ml
Max speed:10000rpm
Max RCF:11045×g
Tube size:Φ38×123mm



Order No.:10100800503

Rotor:Fixed angle rotor
Capacity:8×50ml
round bottom
Max speed:10000rpm
Max RCF:11045×g
Tube size:Φ29×111mm



Order No.:10101200150

Rotor:Fixed angle rotor
Capacity:12×15ml
conical bottom
Max speed:12000rpm
Max RCF:15906×g
Tube size:Φ17×121mm



Order No.:10100600100

Rotor:Fixed angle rotor
Capacity:6×10ml
Max speed:16000rpm
Max RCF:19004×g
Tube size:Φ16×86mm



Order No.:10100800150

Rotor:Fixed angle rotor
Capacity:8×15ml
Max speed:14000rpm
Max RCF:17333×g
Tube size:Φ17×121mm



Order No.:10000600024

Rotor:Microplate rotor
Capacity:2×3×96 well plate
Max speed:4000rpm
Max RCF:2003×g
max:28×87×60mm



Order No.:10000402500

Rotor:Swing out rotor
Capacity:4×250ml
Max speed:4500rpm
Max RCF:3735×g
Tube size:Φ63×121mm
Same adapters to LD-5M



Order No.:10101200502

Rotor:Fixed angle rotor
Capacity:12×50ml
Max speed:10000rpm
Max RCF:14310×g