

Refrigerated | Low speed | Floorstanding

LD-5M



LD-5M floor standing refrigerated centrifuge can be widely used in pharmaceutical factories, blood banks, biochemistry, biological products production company and scientific research enterprises. It has large capacity 4x1000ml bottles, can be equipped with various volumes of swing out rotors, micro plate rotors and blood tube rotors.

FEATURES

User-friendly functions

- > up to 1000 user-defined programs, with password protection
- > up to thousands of run histories, can be exported as PDF file
- > up to 40 rates acceleration and deceleration, speed downs curvily slowly from 500rpm to 0rpm to prevent samples shake
- > up to 5 stages multi-stage centrifugation mode available
- > up to 99h59m59s timer range, 1s increment
- > 2 timekeeping modes: count up, count down
- > Curve display--Speed curve, RCF curve and Temperature curve are displayed together, clear to see their changing and relations.

Refrigeration

- > Imported 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

Ensure safety

- > Imbalance detection by three axis gyroscope
- > Electronic lid lock, controlled by independent motor
- > Lid can only be opened when rotor completely stops spin
- > Two hydraulic rods support the lid
- > Port in the lid for calibration and operation checking
- > Emergency lid-lock release
- > Password to lock the device
- > Various protections to ensure safe centrifugation

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: Stainless steel swing out rotor.
- > Rotors are autoclavable

TECHNICAL DATA

Max Speed	6000rpm
Max RCF	6600xg
Max Capacity	4x1000ml/4x blood bag
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	150kg

AVAILABLE ROTORS

No.1



Rotor: Swing out rotor
Capacity: 4x100ml
Max speed: 5000rpm
Max RCF: 4650xg
Tube size: Φ38x114mm



Rotor: Swing out rotor
Capacity: 4x50ml
Max speed: 5000rpm
Max RCF: 4650xg
Tube size: Φ30x116mm

No.2



Rotor: Swing out rotor
Capacity: 32x15ml
Max speed: 4000rpm
Max RCF: 2980xg
Tube size: Φ17x121mm



Rotor: Swing out rotor
Capacity: 8x50ml
Max speed: 4000rpm
Max RCF: 2980xg
Tube size: Φ30x116mm



Rotor: Swing out rotor
Capacity: 8x100ml
Max speed: 4000rpm
Max RCF: 2980xg
Tube size: Φ38x114mm



Rotor: Swing out rotor
Capacity: 48x2~7ml blood tube
Max speed: 4000rpm
Max RCF: 3100xg
Tube size: Φ13x75~100mm

No.2



Rotor: Swing out rotor
Capacity: 64x2~7ml blood tube
Max speed: 4000rpm
Max RCF: 3100xg
Tube size: Φ13x75~100mm

No.3



Rotor: Swing out rotor
Capacity: 4x250ml
Max speed: 5000rpm
Max RCF: 5200xg
Tube size: Φ63x111mm

A d a p t e r	Capacity	Tube size
	8x50ml	Φ29.5x116mm
	4x100ml	Φ38x114mm
	36x10ml	Φ16.5x86~110mm
	40x7ml	Φ13x100mm
	20x15ml	Φ17x121mm

No.4



Rotor: Microplate rotor
Capacity: 2x3x96 well plate
Max speed: 4000rpm
Max RCF: 1970xg
max: 128x87x60mm

No.5



Rotor: Swing out rotor
Capacity: 4x500ml
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ80x137mm



Adapter (aerosol tight)
Capacity: 16x50ml
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ29x116mm



Adapter (aerosol tight)
Capacity: 100x1.5ml
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ17x121mm



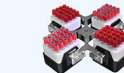
Adapter (aerosol tight)
Capacity: 76x2~7ml blood tube
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ13x75~100mm



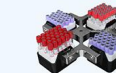
Rotor: Swing out rotor
Capacity: 20x50ml
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ29.5x116mm



Rotor: Swing out rotor
Capacity: 40x15ml
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ17x121mm



Rotor: Swing out rotor
Capacity: 80x10ml blood tube
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ15x100mm



Rotor: Swing out rotor
Capacity: 112x2~7ml blood tube
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ13x75~100mm



Rotor: Swing out rotor
Capacity: 100x1.5ml
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ11x42mm



Rotor: Swing out rotor
Capacity: 148x5ml RIA tube
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ13x75~100mm



Rotor: Swing out rotor
Capacity: 96x2~7ml blood tube
Max speed: 4200rpm
Max RCF: 3550xg
Tube size: Φ13x75~100mm



Rotor: Microplate rotor
Capacity: 4x2x96 well plate
Max speed: 4200rpm
Max RCF: 3550xg
max: 128x87x60mm

No.6



Rotor: Swing out rotor
Capacity: 4x750ml
Max speed: 4000rpm
Max RCF: 3500xg
Tube size: Φ100x141mm



Adapter
Capacity: 12x100ml
Max speed: 4000rpm
Max RCF: 3500xg
Tube size: Φ38x114mm



Adapter
Capacity: 20x50ml
Max speed: 4000rpm
Max RCF: 3500xg
Tube size: Φ17x121mm



Adapter
Capacity: 28x50ml
Max speed: 4000rpm
Max RCF: 3500xg
Tube size: Φ29x116mm



Adapter
Capacity: 56x15ml
Max speed: 4000rpm
Max RCF: 3500xg
Tube size: Φ17x121mm



Adapter
Capacity: 96x2~7ml blood tube
Max speed: 4000rpm
Max RCF: 3500xg
Tube size: Φ13x75~100mm

No.7



Rotor: Swing out rotor
Capacity: 6x250ml
Max speed: 4000rpm
Max RCF: 3580xg
Tube size: Φ63x111mm



Adapter
Capacity: 30x15ml
Max speed: 4000rpm
Max RCF: 3580xg
Tube size: Φ17x121mm



Adapter
Capacity: 60x2~7ml blood tube
Max speed: 4000rpm
Max RCF: 3580xg
Tube size: Φ13x75~100mm

No.8



Rotor: Swing out rotor
Capacity: 4x1000ml/blood bag
Max speed: 4000rpm
Max RCF: 3580xg
Tube size: Φ29x116mm



Adapter
Capacity: 56x15ml
Max speed: 4000rpm
Max RCF: 3580xg
Tube size: Φ12x121mm



Adapter
Capacity: 140x2~7ml blood tube
Max speed: 4000rpm
Max RCF: 3580xg
Tube size: Φ13x75~100mm



Adapter
Capacity: 16x100ml
Max speed: 4000rpm
Max RCF: 3580xg
Tube size: Φ38x114mm



Rotor: Fixed angle rotor
Capacity: 6x500ml
Max speed: 6000rpm
Max RCF: 6600xg
Tube size: Φ74x170mm