



Order No.:0105070000

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 4x800ml 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
- > up to 100000 run histories, can be exported via USB
- > 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

### 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

### Ensure safety

- > 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

### Good components

- > Motor: Brushless 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: Steel/Stainless steel swing out rotor.
- > Rotors are autoclavable

## TECHNICAL DATA

Max Speed	5000rpm
Max RCF	5200xg
Max Capacity	4x800ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s~ 99h59m59s
Noise	≤60dB(A)
Voltage	220v/110v
Power Consumption	1800w
Dimension	680x620x840mm
Weight	136kg

## AVAILABLE ROTORS

Swing out rotor								
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor				
				Capacity	Order No.			
 <p>Order No.: 0495030720</p>	 <p>Capacity: 4×50ml Order No.: 0495030310</p>	0495030300	5000rpm/4650×g	4×1×5ml	1102020001			
				4×1×10ml	1102020002			
				4×1×15ml conical tube	1102020003			
				4×1×30ml	1102020004			
	 <p>Capacity: 4×100ml Order No.: 0495030510</p>	0495030500	5000rpm/4650×g	4×1×10ml glass tube	1102020006			
				4×3×2ml	1102030010			
				4×4×2ml frozen storage tube	1102030009			
				4×1×5ml	1102030001			
				4×1×10ml	1102030002			
				4×1×15ml conical tube	1102030003			
				4×1×30ml	1102030004			
				4×1×50ml	1102030005/round tube 1102030006/conical tube			
	 <p>Order No.: 0495150520</p>	 <p>Capacity: 32×15ml Order No.: 0495031110</p>	0495031100	4000rpm/2980×g	32×1×2ml	1102010008		
					32×1×2ml blood tube	1102010001		
32×1×7ml blood tube					1102010002			
32×1×10ml blood tube					1102010003			
 <p>Capacity: 8×50ml Order No.: 0495030410</p>		0495030400	4000rpm/2980×g	8×1×5ml	1102020001			
				8×1×10ml	1102020002			
				8×1×10ml glass tube	1102020006			
				8×1×15ml conical tube	1102020003			
				8×1×30ml	1102020004			
				8×4×2ml frozen storage tube	1102030009			
 <p>Capacity: 8×100ml Order No.: 0495030610</p>		0495030600	4000rpm/2980×g	8×3×2ml	1102030010			
				8×1×5ml	1102030001			
				8×1×10ml	1102030002			
				8×1×15ml conical tube	1102030003			
				8×1×30ml	1102030004			
				8×1×50ml	1102030005/round tube 1102030006/conical tube			
				 <p>Capacity: 2×3×96 well (micro plate)</p>	0495010200	4000rpm/1970×g	2×24×1.5/2ml	1102040001
	Capacity: 6×250ml	0495040600	4000rpm/3581×g	/	/			

## AVAILABLE ROTORS

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×250ml	0495040800	5000rpm/5201×g	4×8×2ml	1102050001
				4×8×2ml frozen storage tube	1102050015
				4×8×5ml	1102050010
				4×5×5ml conical tube	1102050002
				4×10×7ml blood tube	1102050013
				4×9×10ml	1102050014
				4×5×15ml conical tube	1102050003
				4×2×30ml glass tube	1102050012
				4×2×50ml	1102050004/conical tube 1102050005/round tube
				4×1×100ml	1102050006
	Capacity: 4×750ml	0495080100	4000rpm/3500×g	4×24×2ml	1102100011
				4×24×2ml frozen storage tube	1102100020
				4×37×5ml RIA tube	1102100021
				4×24×7ml blood tube	1102100001
				4×18×10ml	1102100019
				4×14×15ml	1102100017/round tube 1102100002/conical tube
				4×8×30ml	1102100018
				4×7×50ml conical tube	1102100003
				4×3×100ml	1102100004
				4×1×250ml	1102100005
4×1×500ml	1102100006				
	Capacity: 4×800ml  Note: No suitable bottle, must choose adaptor	0495090300	4000rpm/3581×g	4×68×2×2ml	0497990100
				4×30×2~7ml blood tube decap	0497010900
				4×35×2~7ml blood tube decap	0497010800
				4×24×10ml blood tube	1102110019
				4×14×15ml conical tube	1102110003
				4×7×50ml	1102110004
				4×4×100ml	1102110005
				4×1×250ml	1102110006
				4×1×500ml	1102110007
	Capacity: 48×2~7ml blood tube	0495180200	4000rpm/2980×g	/	/
	Capacity: 64×2~7ml blood tube	0495180300	4000rpm/2980×g	/	/

# AVAILABLE ROTORS

Swing out rotor					
Rotor body	Holder	Order No. (Rotor body+holder)	Max speed/RCF	Adaptor	
				Capacity	Order No.
 <p>Capacity: 4×500ml Order No.: 1006010009 (without lid)</p> <p>Aerosol tight lid Order No.: 0495061110</p> <p>Note: Aerosol tight lid cannot be used when use 500ml bottle</p>		0495060100 (without lid)	4200rpm/3550×g	4×18×2ml	1102070001
				4×18×2ml frozen storage tube	1102070019
				4×19×5ml blood tube	0497010200
				4×14×10ml	1102070018
				4×14×10ml blood tube	1102070007
				4×9×15ml conical tube	0497010300
				4×4×50ml conical tube	0497010400
				4×2×100ml	1102070020
				4×1×100ml	1102070005
				4×1×250ml	1102070006
 <p>Order No.: 0495180610</p>	 <p>Capacity: 4×500ml (square bucket) Order No.: 0495060510</p> <p>Note: No suitable bottle, must choose adaptor</p>	0495060200	4200rpm/3550×g	4×25×2ml	1102080001
				4×25×2ml frozen storage tube	1102080015
				4×22×5ml	1102080008
				4×28×5ml blood tube	0497010100
				4×20×10ml blood tube	1102080003
				4×10×15ml conical tube	0497010500
				4×6×30ml	1102080014
				4×5×50ml conical tube	0497010600
				4×2×100ml	1102080006
				4×1×250ml	1102080007
 <p>Capacity: 4×2×96 well (micro plate) Order No.: 0495060610</p>		0495060300	4200rpm/3550×g	4×24×1.5/2ml	1102040001
				Capacity: 96×2~7ml (blood tube) Order No.: 0495180720	0495180600
 <p>Capacity: 148×5ml (RIA tube) Order No.: 0496061010</p>		0495060900	4200rpm/3550×g	/	/