

Refrigerated | High speed | Floorstanding

LG-21M



Order No.:0105160000

## 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

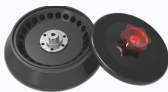
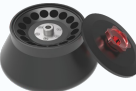
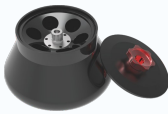
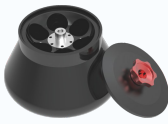
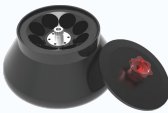
### Good components

- > Motor: Brushless variable frequency motor. stable running, maintenance free, long life
- > Housing: Thick and strong steel
- > Chamber: 316 stainless steel. anticorrosion and easy to clean
- > Rotor: Aluminum alloy fixed angle rotor
- > Rotors are autoclavable

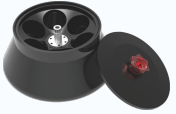
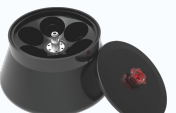
## TECHNICAL DATA

Model	LG-21M
Max Speed	21000rpm
Max RCF	47430xg
Max Capacity	6x500ml
Temperature Range	-20°C ~ +40°C
Temperature Accuracy	±1°C
Speed Accuracy	±10rpm
Time Setting	1s ~ 99h59m59s
Noise	≤65dB(A)
Voltage	220v/110v
Power Consumption	5000w
Dimension	740x720x900mm
Weight	250kg

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	24×1.5/2ml	0494020700	21000rpm/45753×g	24×1×0.2ml	1101010001
				24×1×0.5ml	1101010002
	16×10ml	0494040300	21000rpm/47430×g	16×1×2ml	1101030001
				16×1×5ml	1101030002
	6×50ml round tube	0494070900	20000rpm/44720×g	6×1×2ml	1101060003
				6×1×5ml	1101060004
				6×1×10ml	1101060001
				6×1×15ml conical tube	1101060005
				6×1×30ml	1101060002
	8×50ml round tube	0494070600	18000rpm/38469×g	8×1×2ml	1101060003
				8×1×5ml	1101060004
				8×1×10ml	1101060001
				8×1×15ml conical tube	1101060005
				8×1×30ml	1101060002
	6×100ml	0494080300	16000rpm/30910×g	6×1×5ml	1101080007
				6×1×10ml	1101080001
				6×1×15ml conical tube	1101080002
				6×1×30ml	1101080003
				6×1×50ml	1101080005/conical tube 1101080004/round tube
	8×100ml	0494080400	12000rpm/20268×g	8×1×5ml	1101080007
				8×1×10ml	1101080001
				8×1×15ml conical tube	1101080002
				8×1×30ml	1101080003
				8×1×50ml	1101080005/conical tube 1101080004/round tube
	4×250ml	0494090400	14000rpm/29253×g	4×5×15ml	1101090005
				4×1×50ml	1101100002/conical tube 1101100001/round tube
				4×1×100ml	1101100003

## AVAILABLE ROTORS

Fixed angle rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	6×250ml	0494090200	12000rpm/23698×g	6×5×15ml	1101090005
				6×1×50ml	1101100002/conical tube 1101100001/round tube
				6×1×100ml	1101100003
	6×500ml	0494110100	10000rpm/18581×g	6×7×10ml	1101110007
				6×4×15ml conical tube	1101110001
				6×3×50ml round tube	1101110002
				6×2×50ml conical tube	1101110003
				6×1×100ml	1101110004
				6×1×250ml	1101110005

Swing out rotor					
Rotor	Capacity	Order No.	Max speed/RCF	Adaptor	
				Capacity	Order No.
	Capacity: 4×4×5ml	0495130300	12000rpm/12074×g	/	/
	Capacity: 4×30ml	0495130100	13000rpm/23806×g	/	/
	Capacity: 4×50ml	0495130200	10000rpm/16099×g	/	/
	Capacity: 2×3×96 well (micro plate)	0495010400	4000rpm/2146×g	2×24×1.5/2ml	1102040001