



## GL-23M Large Capacity High Speed Refrigerated Centrifuge

Centrifuge GL-23M is an international leading level centrifuge with its outstanding parameters. It is widely used in molecular bio-logy, biochemistry and other high-tech fields, for separation and concentration of cytoplasm, virus bacteria and chemical substances.













### Product advantages

- ◆7-inch HD touch screen, intuitive display and easy to operate. The setting parameters and running parameters can be displayed simultaneously.
- ◆Data records: Data traceability management, running history records, diagnosis records can be checked on the screen or exported by USB port and saved to the relevant storage device, which can ensure the data integrity.
- ◆Super powerful control system, offering step centrifugation, scheduled start, sample ID, curve mode, program mode, multi-language selection and other functions.
- ◆Strong safety performance, the user management function can prevent tampering and removing programs accidentally.
- ◆Stable centrifugation performance, the max speed up to 23000r/min, and a variety of rotors are optional, which can easily help you to achieve rapid sample separation.
- ◆Automatic rotor identification. Imbalance protection, over-speed protection, door-lock protection and so on.
- ◆All aluminum alloy rotors are forged with 7075-T6 series aluminum alloy, the surface is hard oxidation, with thick oxide layer and strong corrosion resistance.
- ◆Direct drive, no need vacuumizing, replacing belt and maintenancing vacuum system.


### Technical parameter











Order NO	0202125000			
Max Speed	Angle Rotor	23000r/min	Swing Rotor	4000r/min
Max RCF	Angle Rotor	60460xg	Swing Rotor	3500xg
Max Capacity	Angle Rotor	4x1000ml	Swing Rotor	4x750ml
Speed Accuracy	±10r/min			
Time Setting Range	1 min~99h59min			
Timing mode	Start Timing after Spinning, Start Timing after Reach Setting Speed, Continuous Timing, Operation at an appointed Time			
Temperature Setting Range	-20 ~ 40°C (1°C adjustable)			
Pre-cooling function	Yes			
Temperature Accuracy	±1°C			
Steps Centrifugation	Yes(100 programs, each programs with 5 steps, More programs can be saved by adding external memory card)			
Compressor Unit	Environment-friendly refrigerant (R404a)			
Noise	≤65dB (A)			
Power Supply	AC220±22V 50Hz			
Power Consumption	5kW			
Dimension (WxDxH)	730x930x960(mm)			
Packing Dimension (WxDxH)	880x1120x1180(mm)			
Net Weight	260kg			





 Rotor parameters

<p><b>No:1</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 18x10ml Max Speed: 23000r/min Max RCF: 60460xg Order NO: 0301801500 Adapter: 1.5ml, 5ml, 7ml</p>	<p><b>No:2</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 48x1.5ml Max Speed: 21000r/min Max RCF: 47630xg Order NO: 0301812800 Adapter: 0.2ml, 0.5ml</p>
<p><b>No:3</b></p>  <p>Rotor Type: Angle Rotor(Aluminium Alloy/Titanium Alloy) Max Capacity: 8x50ml Max Speed: 21000r/min Max RCF: 52356xg Order NO: 0301800820 (Aluminium) 0301800910 (Titanium) Adapter: 1.5ml, 5ml, 10ml, 15ml, 20ml, 25ml, 30ml</p>	<p><b>No:3</b></p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 8x50ml Max Speed: 21000r/min Max RCF: 52356xg Order NO: 0301802400 Adapter: 1.5ml, 5ml, 10ml, 15ml, 20ml, 25ml, 30ml</p>
<p><b>No:4</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 4x250ml Max Speed: 15000r/min Max RCF: 33800xg Order NO: 0301801100 Adapter: 1.5ml, 10ml, 15ml (conical) , 50ml (conical/round) , 100ml</p>	<p><b>No:5</b></p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 6x250ml Max Speed: 14000r/min Max RCF: 30070xg Order NO: 0301802300 Adapter: 1.5ml, 10ml, 15ml (conical) , 50ml (conical/round) , 100ml</p>
<p><b>No:5</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 6x250ml Max Speed: 14000r/min Max RCF: 30070xg Order NO: 0301801200 Adapter: 1.5ml, 10ml, 15ml (conical) , 50ml (conical/round) , 100ml</p>	<p><b>No:6</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 6x500ml Max Speed: 10000r/min Max RCF: 17700xg Order NO: 0301801300 Adapter: 1.5ml, 5ml, 10ml, 15ml (conical) , 30ml, 50ml (conical/round) , 100ml, 250ml</p>
<p><b>No:6</b></p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 6x500ml Max Speed: 10000r/min Max RCF: 17700xg Order NO: 0301802600 Adapter: 1.5ml, 5ml, 10ml, 15ml(conical), 30ml, 50ml (conical/round) , 100ml, 250ml</p>	<p><b>No:7</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 4x1000ml Max Speed: 8000r/min Max RCF: 12040xg Order NO: 0301801600 Adapter: 50ml (conical/round) , 250ml, 500ml</p>
<p><b>No:7</b></p>  <p>Rotor Type: Angle Rotor (Carbon Fibre) Max Capacity: 4x1000ml Max Speed: 8000r/min Max RCF: 12040xg Order NO: 0301802700 Adapter: 50ml (conical/round) , 250ml, 500ml</p>	<p><b>No:8</b></p>  <p>Rotor Type: Angle Rotor Max Capacity: 32x16ml Max Speed: 16000r/min Max RCF: 33200xg Order NO: 0301812900 Adapter: 5ml</p>

<p><b>No:9</b></p>  <p>Rotor Type: Angle Rotor              Max Capacity: 10×100ml              Max Speed: 16000r/min              Max RCF: 37846xg              Order NO: 0301809600              Adapter: 5ml, 10ml, 25ml,              15ml(conical/round), 50ml(conical/round)</p>	<p><b>No:11</b></p>  <p>Rotor Type: Angle Rotor              Max Capacity: 12×50ml(conical)              Max Speed: 14000r/min              Max RCF: 30070xg              Order NO: 0301801700              Adapter: 15ml (conical)</p>
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<p><b>No:10</b></p>  <p>Rotor Type: Swing Rotor              Max Capacity: 6×50ml with windshield              Max Speed: 10000r/min              Max RCF: 15680xg              Order NO: 0302851700</p>	<p>/</p>
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Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
<p><b>No:12</b></p>  <p>Rotor Type: Swing Rotor              Max Speed: 4000 r/min              Max RCF: 3500xg              Max Capacity: 4x750ml              Order NO: 0302891022              (Bucket not included)</p>	 <p>Round Bucket              Order NO: 0303891025</p>  <p>Aerosol-tight round bucket              Order NO: 0303891006</p>		4x1x500ml (conical/flat) 0304891035 (conical) 0304891036 (flat)		4x1x250ml (conical/flat) 0304891562 (conical) 0304891039 (flat)
			4x4x100ml 0304891006		4x5x50ml (Self-standing tube) 0304891024
			4x7x50ml (conical/round) 0304891003 (conical) 0304891004 (round)		4x10x20ml 0304891163
			4x15x15ml (conical) 0304891005		4x19x10ml (Self-standing tube) 0304891732
			4x21x10ml 0304891730		4x27x5/7ml Vaccum blood collection tube 0304891728
			4x37x5ml (RIA tube) 0304891166		4x56x1.5ml 0304891025

Rotor	Bucket	Adaptor	Capacity/Order NO	Adaptor	Capacity/Order NO
<p><b>No:13</b></p>  <p>Rotor Type: Swing Rotor Max Speed: 4000r/min Max RCF: 3345xg Max Capacity: 4x500ml Order NO: 0302850100 (Bucket not included)</p>	 <p>Round Bucket Order NO: 0303891022</p>  <p>Aerosol-tight round bucket Order NO: 0303891077</p>		4x1x250ml 0304891142		4x2x100ml 0304891009
			4x4x50ml(conical/round) 0304891008		4x7x20ml 0304851485
			4x9x15ml(conical/round) 0304891083		4x11x15ml (conical) (Cap≤21.5mm) 0304891508
			4x14x10ml 0304891705		4x19x5/7ml Vaccum blood collection tube 0304851450
			4x36x1.5ml 0304891677	/	
	 <p>Rectangular Bucket Order NO: 0303851421</p>  <p>Rectangular bucket with sealing cover Order NO: 0303891016</p>		4x1x250ml 0304891041		4x3x100ml 0304891744
			4x6x50ml(conical/round) 0304891014		4x12x15ml(conical/round) 0304891582 (conical) 0304891779 (round)
			4x20x10ml 0304891077		4x31x5/7ml Vaccum blood collection tube 0304891782
			4x56x1.5ml 0304891603	/	
	 <p>Microplate bucket Order NO: 0303891110</p>	4x1x96 Deep-well plate		4x2x96 Microplate	