23 CL6 R Large Capacity Refrigerated Centrifuge

CL6R centrifuge, accommodating 7-inch touch panel and user-friendly interface, can spin 1000ml test bottles with a swing-bucket rotor in a single operation, and the RCF up to 5100xg at the speed of 4200rpm. 500ml test bottles can be spun with a fixed angle rotor in a single separation, and the RCF can reach 6680xg at the speed of 6000rpm. It presents eye-pleasing design with ideal visual effect. The door lid cannot be opened during running to ensure safe operation. It is a newly designed centrifuge based on the classic model of DL-6M, a preferred product for blood banks, pharmacy and bio-products etc.

Features

✧ **Multiple applications**

1) Outstanding capacity for blood banks, it offers quick and effective separation of triple blood bags with 6x400ml capacity.

2) Super rotor capacity for large volume sample separation in the fields of Bio-pharmaceuticals, clinical biochemistry, proteomics, genomics, biochemistry, pathology etc.

3) Multiple applications from 1.5ml test tube to 1000ml quadruple blood bags.

✧ **Superior safety**

It accommodates non-contact safe protections against imbalance, over-speed or over heat operation including malfunction of door lid.

✧ **High cooling performance**

The temperature can be maintained under -4℃ even at the max.speed and max.capacity, offering whisper quiet and smooth operation with no disturbance and little vibration even at the close range.

✧ **Easy operation**

Offering the function of multi-group program storage which can be called by pressing a single key, including record of operation and error code, and those information can be copied through a USB interface for further storage. The value of RCF and speed can be interchanged and checked in real time. The setting parameters and running parameters can be displayed simultaneously. Eye-catching display offers easy monitor and control.

✧ High sensitivity touch panel & super control system

	HD and bright touch panel can be operated with your gloved hand: Simplify laboratory-set and test operation. Setting parameters (speed, time, temperature) and actual running parameters can be displayed on the screen simultaneously with easy readout.

✧ Curve running display mode

	Easy readout of speed, temperature etc. through curve display mode at a glance, showing the stability status of operation.

✧ Program setting

	It is of vital importance to conduct test through programs which can reproduce user experimental package by calling out the program number. Five centrifugal stages can be set to satisfy your demand for diversified experiments. One button to start your perfect experimental package (100 programs are built-in and each program is divided into 5 steps, and more programs can be set with external memory)

✧ Access control

	Different users are assigned with different access authorities and passwords to enhance access control of operators. Chinese and English interfaces are available for free choice.

✧ Significant System Control Tools

	Different operation options are built in for different applications, E.g Curve running mode interface can be switched to main interface through touching the button of operation mode, and user login button to determine if login is needed for certain operation.

✧ Data information

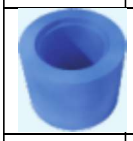
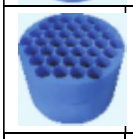
	Data trace management: You can view historic running record, fault record, etc on the screen and conduct storage through USB to the other relevant device.
	* 9 Acceleration curves (profiles) and 10 deceleration curves are provided to effectively prevent secondary suspension, achieving ideal centrifuging result, which can be customer-designed for more applications.
	* Manual input sample number or automatic scanning to check the centrifuging record of each sample.
	* Start timing after reaching the set speed, start-run timing, infinity timing operation, operation at an appointed time etc are optional.
	Cence Powerful Software Technology can identify rotor's actual operation times, service life, and accumulated running time to determine if the rotor exceeds the scope of use for further guarantee the safe operation(System functions can be customized according to requirements).

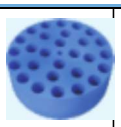
Technical Parameters

Model		**CL6R**
Order No.		0204260009
Max. speed	Angle	6000rpm
	Swing	4200rpm
Max. RCF	Angle	6680xg
	Swing	5100xg
Max. capacity	Angle	6x500ml
	Swing	6x1000ml
Speed Accuracy	±10rpm	
Speed range	100rpm~max. speed,progressive step100(it can be customized,multiples of 10)	
Time Range	1min to 99h 99min	
Mode of timing	Timing after start-up, timing when reaching the max speed, Instantaneous & continuous timing, start-up at the specified time	
Acceleration/deceleration profile	9 acceleration rates,10 deceleration rates(<30 rates can be customized)	
Temp Rang	-20℃~40℃(1℃ adjustable)	
Precooling	Available(up to -20℃)	
Temp accuracy	±1℃	
Step centrifugation	Available (100 programs,each program can be divided into 5 steps.More programs can be set through external memory)	
Compressor set	Environment-friendly Compressor set with R404a	
Drive system	Brushless motor with high torque	
Noise	<65dB(A)	
Power supply	AC220V +/-22V,50Hz 25A	
Power consumption	5.5Kw	
Dimensions(WxDxH)	730x930x960(mm)	
Packing size(WxDxH)	920x1040x1560(mm)	
Weight	260Kg	
Key parts material	316 centrifuge chamber, PPCO test bottle, Aluminum alloy rotor.	
Others	Multiple languages are available for free choice, user log, maintenance records, access password,automatic door lid control, rotor recognition, over-temperature protection	

Rotor optional

Rotors	Adapter	Capacity	slots	Diameter mm	Depth mm	Order No
Swing Rotor **Order No** 0301801900 **Speed:** 6000rpm **RCF:** 6680xg **Capacity：** 6x500ml **Diameter**: Φ70mm **Depth:** 141.5mm		250ml	6	Φ62	113	0304891066
		100ml	6	Φ38.5	109	0304891067
		50ml (Conical)	12	Φ29.5	102	0304891088
		50ml	6	Φ29.5	103	0304891069
		50ml (Conical)	6	Φ29.5	102	0304891071
		30ml	18	Φ29.5	98	0304891089
		15ml (Conical)	42	Φ17	104	0304891072
		10ml	42	Φ17	78	0304891073
		5ml	60	Φ14	49	0304891076
		1.5ml	78	Φ11.2	38	03048000709

Rotor		Adapter	Capacity	Places	Diameter mm	Depth mm	Order No
Swing Rotor **Order No.** 0302850500 **Speed:** 4200rpm **RCF:** 5100xg **Capacity:** 6x1000ml	 Round cup 0303891021 **Capacity:** 6x1000ml		500ml	6	Φ81	130	0304891040
			300ml	6	Φ63	120	0304891048
			250ml (Conical)	6	Φ61	117	0304891049
			200ml Blood bag	6	/	/	03048505027
			100ml	18	Φ38.5	97	0304891042
			50ml (Conical)	30	Φ29.5	87	0304891043
			50ml	30	Φ29.5	85	0304891044
			15ml (Conical)	84	Φ17	86	0304891045
			15ml	84	Φ17	86	0304891047
			7ml	222	Φ13.5	69	03048505022
			5ml	144	Φ14	62	03048505025

			1.5ml	168	Φ11.2	36	0304850526
	0303850601 6x1000ml		1000ml Lining Cup	6	/	/	0304850602
		Adapters can be customized					