



**Blood
Centrifuge
LBC-100 Series**

Blood Centrifuge LBC-100 Series

Labocon Blood Centrifuge LBC-100 Series helps in the separation of whole blood into its various components. Its variable features make it suitable for different type of fluid preparation in laboratories and for carrying out various clinical tests.

Features: For LBC-101

- It is directly controlled by large torque driven DC motor with a speed range of 100-4000 rpm.
- It is Microprocessor controlled and has a simple operation.
- It has over speed and imbalance protection, also a door cover which ensures the safe operation of the instrument.

For LBC-102

- It has a Simple operation: 11 programs are built in and another 30 programs can be set according to the requirement.
- Standard programs are specialized for serological tests and more programs can be built in according to the requirements for normalization & standardization of clinical checks and research purposes.
- Accurate RCF, quick start, prompt speed reaching and automatic braking are some of its features.

For LBC-103

- It has a Stainless structure.
- It is Microprocessor controlled and has a simple operation.
- It can accurately control the Speed, RCF and time.
- The timer when set starts only when the required RPM is reached and automatically shuts down when the time reaches 0.
- 8 s to reach 4000rpm and 8s to come down to 0 rpm.
- PWM Braking: In normal centrifuges the instrument takes long for stopping known as echoes, which causes the settled matter to suspend in the liquid again. In this model PTM pulse width and two damping systems are used which ensure the quick shut down.

Blood Centrifuge LBC-100 Series

For LBC-104R

- It has a diamond shaped structure and has a Stainless Steel chamber.
- It functions at constant temperature to give accurate results.
- It can be used as a replacement for Blood Collection Vehicle.
- It is suitable for different capacities of Vacuum tubes, Centrifugal tubes and Multifunctional tubes.

Application:

Labocon Blood Centrifuge LBC-100 Series can be used for blood grouping tests, red blood cell washing (easy tube washing) and micro column gel tests.

It is suitable for different types of fluid preparation in biology, chemistry, radiology and immunology labs.

It also can be used for sample preparation and purification of various pharmaceutical and biological products.

Blood Centrifuge LBC-100 Series

Technical Specifications:

Model No.	LBC-101	LBC-102	LBC-103	LBC-104R
Type	Cell Smear Centrifuge	Blood Serum Centrifuge	Blood Bank Centrifuge	Blood Collecting Vehicle Centrifuge
Max. Speed (RPM)	3000	4000	5000	4000
Max. RCF (x g)	2300	3840	3500	3680
Max. Capacity	12*0.5 ml		12*15 ml	72*5/7 ml
Temperature Range	-			-20°C ~ +40°C
Ambient Temperature	15°C			
Temperature Accuracy	-			±1°C
Cooling time from start up	-			about 5-15 mins
Refrigerant	-			R404a
Speed Accuracy	±30 rpm			±20 rpm
Speed Control	0-4000rpm		0-5000rpm	0-4000rpm
Set Speed (increments)	50			
Timer range	0-99 mins			
Set Time (increments)	1 s			
Control System	Microprocessor			
Program Memory	1			9
Display	LCD			
Motor (DC/ Brushless)	DC Motor Direct Drive		Brushless DC Motor	Frequency Conversion Motor

Blood Centrifuge LBC-100 Series

Acceleration/ Deacceleration Rate	9 grade			
Noise Level	≤50dB		≤60dB	≤50dB
Power Supply	AC 220V & 110V 50 & 60Hz	220V & 110V ±22V	AC 220V & 110V 50Hz 2A	AC 220V & 110V 50 & 60Hz 5A
Power Consumption	75 W			600 W
Rotor Material	PP			Aluminium+PP
Gross Weight	32 kg	32 kg	30 kg	130 kg
Net Weight	20kg	18kg	21kg	95 kg
Exterior Dimensions (W x D x H)	275*390*300 mm	480*360*280 mm	485*320*270 mm	770*520*340 mm
Packing Dimensions (W x D x H)	545*415*320 mm	545*415*320 mm	545*415*320 mm	980*710*550mm
Catalog no.	9142101541	9142102541	9142103541	9142104541

Accessories: For LBC-101

Model	No. of Tubes x Volume	RPM	RCF(xg)
Angle Rotor			
AR-1	6 x 0.5ml	3000	730
AR-2	12 x 0.5ml	3000	2300

Blood Centrifuge LBC-100 Series



Various Rotors

For LBC-102

Model No	No. of Tubes x Volume	RPM	RCF
Angle Rotor			
AR-1	12 x 10ml	4000	2200
Red Cell Washing Rotor			
CWR-1	12 x 10ml	3000	1790
Microcolumn Gel Cards Rotor			
GCR-1	12 x 6 column	3000	1790
GCR-2	24 x 6 column	3000	1790

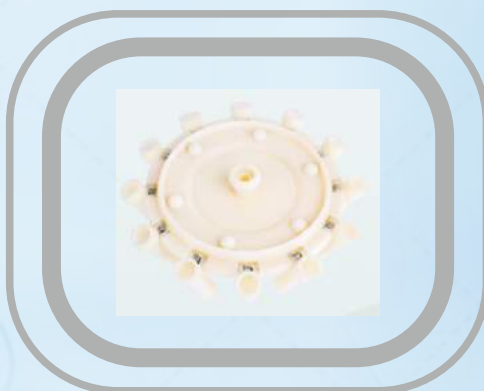
Blood Centrifuge LBC-100 Series



Angle Rotor
AR-1: 12 x 10ml



Microcolumn Gel Cards
Rotor GCR-1: 12 x 6 column

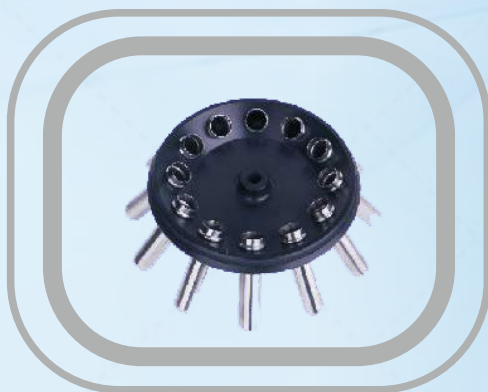


Red Cell Washing Rotor
CWR-1: 12 x 10ml

For LBC-103

Model	No. of Tubes x Volume	RPM	RCF(xg)
Angle Rotor			
AR-1	12 x 10ml	5000	3500
AR-2	12 x 15ml	4000	2680

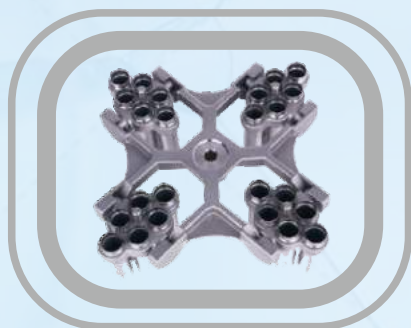
Blood Centrifuge LBC-100 Series



Angle Rotor
AR-1: 12 x 10ml

For LBC-104R

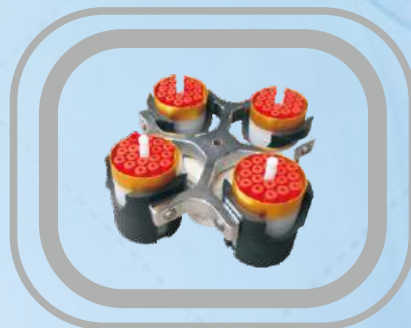
Model	No. of Tubes x Volume	RPM	RCF(xg)
Swing Rotor			
SR-1	32 x 15/10/7/5ml	4000	3050
SR-2	24 x 15/10/7/5ml	4000	2800
SR-3	72 x 7/5ml	4000	3680
SR-4	48 x 7/5ml	4000	3500



Swing Rotor
SR-2: 24 x 15/10/7/5ml



Swing Rotor
SR-1: 32 x 15/10/7/5ml



Swing Rotor
SR-3: 72 x 7/5ml

Blood Centrifuge LBCC-100 Series

Labocon Blood Capillary Centrifuge LBCC-100 Series

Technical Specifications:

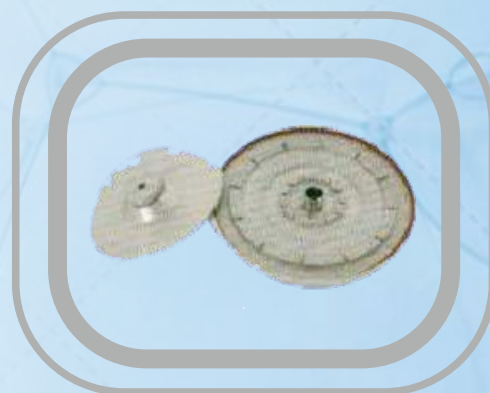
Model No.	LBCC-101	LBCC-102	LBCC-103
Max. Speed (RPM)	12000		
Max. RCF (x g)	10800		
Max. Capacity	12 pcs capillary	24 pcs capillary	36 pcs capillary
Ambient Temperature	15°C		
Speed Accuracy	±50 rpm		
Speed Control	1-12000rpm		
Set Speed (increments)	50		
Timer range	0-99 mins		
Set Time (increments)	1 s		
Control System	Microprocessor		
Program Memory	1		
Display	LCD		
Motor (DC/ Brushless)	Brushless DC Motor		
Acceleration/ Deacceleration Rate	9 grade		
Noise Level	≤55dB		
Power Supply	AC 220V & 110V 50Hz 2A		
Power Consumption	90 W		

Blood Centrifuge LBCC-100 Series

Rotor Material	PP/Aluminium Alloy		
Gross Weight	20 kg		
Net Weight	17.5kg		
Dimensions (W x D x H) Exterior	475*355*245 mm		
Dimensions (W x D x H) Exterior	490*385*320 mm		
Catalog No.	9143101541	9143102541	9143103541



24 Piece
Capillary Rotor



12 Piece
Capillary Rotor



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