



# LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE BCBLR-323

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## BCBLR-323

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE



## SPECIFICATIONS

Model	BCBLR-323
Swing-Bucket Rotors	
--Max. Capacity	4 x 500 ml
--Max. Speed	4 500 rpm with 4 x 250 ml rotor
--Max. RCF	3 720 Xg with 4 x 250 ml rotor
Fixed-Angle Rotors	
Control System	Microprocessor
Refrigeration System	CFC-Free
Drive System	Direct, induction motor drive (Inverter Control)
Display	Full color touchscreen interface
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Programmability	via easy access touchscreen menu
Program Storage	1 000 user-defined
Running Time	1 s - 99 h : 59 min : 59 s, Short
Timer	Count up or down
Speed Accuracy	± 10 r/min
Accel/Decel Profiles	40/40
Temp. Control Range	-20 °C to +40 °C
Temp. Accuracy	± 1 °C
Noise Level	≤ 56 dB(A)
Power Supply	AC 200-240 V, 50/60 Hz
Max. Power Consumption	1.5 KW
Dimension (W x D x H)	26.8 x 23.6 x 16.5 in / 68 x 60 x 42 cm
Weight w/o Rotor	234 lb / 106 kg
Alt Name	Benchtop High Speed Refrigerated Centrifuge

## ACCESSORIES FOR PURCHASE

No	Name	Rotor Capacity (places x volume, ml)	Tube Size (Φ x L in mm)	Max Speed (rpm)	Max RCF (g)
1	No. 1 Fixed-Angle Rotor	12 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	19 000 rpm	25 220 Xg

2	No. 2 Fixed-Angle Rotor	12 x 5 ml	Φ14 x 54	15 000 rpm	23 460 Xg
3	No. 3-1 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	16 000 rpm	24 790 Xg
4	No. 3-2 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	17 000 rpm	30 367 Xg
5	No. 4 Fixed-Angle Rotor	12 x 10 ml	Φ16 x 86	15 000 rpm	23 120 Xg
6	No. 4-2 Fixed-Angle Rotor	36 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	14 000 rpm	18 800 Xg
7	No. 4-3 Fixed-Angle Rotor	8 x 15 ml a)	Φ17 x 121	14 000 rpm	17 310 Xg
8	No. 5-1 Fixed-Angle Rotor	6 x 50 ml (conical)	Φ29 x 116	13 000 rpm	18 420 Xg
9	No. 5-2 Fixed-Angle Rotor	48 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	13 000 rpm	18 520 Xg
10	No. 5-3 Fixed-Angle Rotor	6 x 50 ml (round)	Φ29 x 111	13 000 rpm	18 420 Xg
11	No. 6-1 Fixed-Angle Rotor	4 x 100 ml	Φ38 x 123	11 000 rpm	13 350 Xg
12	No. 6-2 Fixed-Angle Rotor	8 x 50 ml (conical)	Φ29 x 116	11 000 rpm	14 030 Xg
13	No. 6-3 Fixed-Angle Rotor	12 x 15 ml	Φ17 x 121	12 000 rpm	15 890 Xg
14	No. 6-4 Fixed-Angle Rotor	8 x 50 ml (round)	Φ29 x 111	11 000 rpm	13 350 Xg
15	No. 6-5 Fixed-Angle Rotor	24 x 10 ml	Φ16 x 86	11 000 rpm	13 350 Xg
16	No. 7 Fixed-Angle Rotor	6 x 10 ml	Φ16 x 86	16 000 rpm	18 980 Xg
17	No. 8 Swing-Bucket Rotor	2 x 3 pcs microplates (96 wells) or 2 x 3 pcs microtiter plates or 2 x 2 pcs cell culture plates or 2 x 1 pc deep well plates	Load dimensions (WxDxH) up to 128x87x60 mm	4 000 rpm	1 970 Xg
18	No. 9 Swing-Bucket Rotor	Rotor Cross (order buckets, adapters separately)	-	-	-
19		250 ml Round Buckets (set of 4) - 4 x 250 ml	Φ63 x 111	4 500 rpm	3 720 Xg
20		4 x 100 ml	Φ38 x 114		
21		4 x 50 ml	Φ29 x 111-116		
22		8 x 50 ml conical	Φ29 x 116		
23		8 x 50 ml round	Φ29 x 111		
24		8 x 30 ml	Φ25.5 x 100		
25		20 x 15 ml	Φ17 x 121		
26		36 x 10 ml	Φ16.5 x 86-110		
27		20 x 5 ml (conical)	Φ17 x 60		
28		32 x 1.5/2.0 ml	Φ11 x 42		
29		32 x 2.0 ml	Φ10.8 x 44		
30		40 x 0.5 ml	Φ8 x 30		
31		20 x 10 ml virus sampling tube	Φ16 x 97-101		
32		28 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
33		40 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
34		Conical Buckets (set of 4) - 4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	4 000 rpm	2 950 Xg

35		Buckets (set of 4) - 36 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102	4 000 rpm	2 950 Xg
36		Buckets (set of 4) - 48 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	2 950 Xg
37		Buckets (set of 4) - 64 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	2 950 Xg
38	No. 10-1 Swing-Bucket Rotor	Rotor Cross (order buckets, adapters separately)	-	-	-
39		500 ml Round Buckets (set of 4) - 4 x 500 ml	Φ80 x 137	4 200 rpm	3 550 Xg
40		4 x 250 ml	Φ63 x 111		
41		4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137		
42		4 x 100 ml	Φ38 x 114		
43		16 x 50 ml (conical)	Φ29 x 116		
44		16 x 50 ml (round)	Φ29 x 111		
45		16 x 30 ml	Φ25.5 x 100		
46		36 x 15 ml	Φ17 x 121		
47		56 x 10 ml	Φ16.5 x 86-110		
48		36 x 5 ml (conical)	Φ17 x 60		
49		80 x 1.5/2.0 ml	Φ11 x 42		
50		60 x 2.0 ml	Φ10.8 x 44		
51		80 x 0.5 ml	Φ8 x 30		
52		36 x 10 ml virus sampling tube	Φ16 x 97-101		
53		56 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
54		72 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
55		Rectangular Buckets (set of 4)	-	4 200 rpm	3 550 Xg
56		20 x 50 ml (conical)	Φ29 x 116		
57		20 x 50 ml (round)	Φ29 x 111		
58		20 x 30 ml	Φ25.5 x 100		
59		40 x 15 ml	Φ17 x 121		
60		40 x 5 ml (conical)	Φ17 x 60		
61		100 x 1.5/2.0 ml	Φ11 x 42		
62		100 x 2.0 ml	Φ10.8 x 44		
63		80 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
64		112 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
65		Round Buckets (set of 4) - 148 x 5 ml Radio-immunity tube	Φ13 x 75-100		
66		Round Buckets (set of 4) - 96 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
67		Plate Buckets (set of 4) - 4 x 2 pcs microplates (96 wells) or equivalent	Load dimensions (WxDxH) up to 128x87x60 mm		
68	No. 10-2 Swing-Bucket Rotor	4 x 250 ml Corning conical bottle or 4 x 200 ml Nunc, bottle	Φ60 x 164	4 200 rpm	3 550 Xg
69	No. 11 Fixed-Angle Rotor	6 x 100 ml	Φ38 x 123	10 000 rpm	12 060 Xg
70	No. 12 Fixed-Angle Rotor	12 x 50 ml (conical)	Φ29 x 116	9 000 rpm	11 590 Xg



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3



4



5



13



19



22



40



63



68



69



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