



LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BCBLR-321

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BCBLR-321

BENCHTOP LOW SPEED REFRIGERATED CENTRIFUGE



SPECIFICATIONS

Model	BCBLR-321
Swing-Bucket Rotors	
--Max. Capacity	4 x 750 ml
--Max. Speed	5 000 rpm with 4 x 250 ml rotor / 4 x 50 ml rotor / 4 x 100 ml rotor
--Max. RCF	5 200 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
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 or AC 100-127 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 Low 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 Swing-out Rotor	Rotor Cross (order tube racks separately)	-	-	-
2		Tube Racks (set of 4 for each) - 4 x 50 ml	Φ29 x 111-116	5 000 rpm	4 650 Xg

3		Tube Racks (set of 4 for each) - 4 x 100 ml	Φ38 x 114	5 000 rpm	4 650 Xg
4	No. 2-1 Swing-out Rotor	Rotor Cross (order tube racks separately)	-	-	-
5		8 x 50 ml	Φ29 x 111-116	4 000 rpm	2 980 Xg
6		8 x 100 ml	Φ38 x 114	4 000 rpm	2 980 Xg
7		24 x 10 ml	Φ16.5 x 86-110	4 000 rpm	2 980 Xg
8		24 x 15 ml	Φ17 x 121	4 000 rpm	2 980 Xg
9		32 x 10 ml	Φ16.5 x 86-110	4 000 rpm	2 980 Xg
10		32 x 15 ml	Φ17 x 121	4 000 rpm	2 980 Xg
11	No. 2-2 Swing-Bucket Rotor	4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	4 000 rpm	2 980 Xg
12	No. 2-3 Swing-Bucket Rotor	36 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102	4 000 rpm	2 980 Xg
13	No. 2-4 Swing-Bucket Rotor	48 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	3 100 Xg
14	No. 2-5 Swing-Bucket Rotor	64 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	3 100 Xg
15	No. 3 Swing-Bucket Rotor	Rotor Cross (with a wind shield) - order buckets, tube racks, adapters separately	-	-	-
16		250 ml Round Buckets (set of 4) - 4 x 250 ml	Φ63 x 111	5 000 rpm	5 200 Xg
17		Adapters - 4 x 100 ml	Φ38 x 114		
18		4 x 50 ml	Φ29 x 111-116		
19		8 x 50 ml conical	Φ29 x 116		
20		8 x 50 ml round	Φ29 x 111		
21		8 x 30 ml	Φ25.5 x 100		
22		20 x 15 ml	Φ17 x 121		
23		36 x 10 ml	Φ16.5 x 86-110		
24		20 x 5 ml (conical)	Φ17 x 60		
25		32 x 1.5/2.0 ml	Φ11 x 42		
26		32 x 2.0 ml	Φ10.8 x 44		
27		40 x 0.5 ml	Φ8 x 30		
28		20 x 10 ml virus sampling tube	Φ16 x 97-101		
29		28 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
30		40 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
31		Conical Buckets (set of 4) - 4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137		
32	No. 4 Swing-Bucket Rotor	Tube Racks (sets of 4) - 32 x 15 ml	Φ17 x 121	4 000 rpm	1 970 Xg
33		2 x 3 pcs microplates (96 wells)	Load dimensions (WxDxH) up to 128x87x60 mm	4 000 rpm	1 970 Xg
34	No. 5-1 Swing-Bucket Rotor	Rotor Cross (order buckets, adapters separately)	-	-	-
35		500 ml Round Buckets (set of 4) - 4 x 500 ml	Φ80 x 137	4 200 rpm	3 550 Xg

36		4 x 250 ml	Φ63 x 111		
37		4 x 100 ml	Φ38 x 114		
38		16 x 50 ml conical	Φ29 x 116		
39		16 x 50 ml round	Φ29 x 111		
40		16 x 30 ml	Φ25.5 x 100		
41		36 x 15 ml	Φ17 x 121		
42		56 x 10 ml	Φ16.5 x 86-110		
43		36 x 5 ml conical	Φ17 x 60		
44		80 x 1.5/2.0 ml	Φ11 x 42		
45		60 x 2.0 ml	Φ10.8 x 44		
46		96 x 0.5 ml	Φ8 x 30		
47		36 x 10 ml virus sampling tube	Φ16 x 97-101		
48		56 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
49		72 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
50		4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137		
51	No. 5-1 Swing-Bucket Rotor	Rectangular Buckets (set of 4)	-	4 200 rpm	3 550 Xg
52		Adapters - 20 x 50 ml conical	Φ29 x 116		
53		20 x 50 ml round	Φ29 x 111		
54		20 x 30 ml	Φ25.5 x 100		
55		40 x 15 ml	Φ17 x 121		
56		40 x 5 ml (conical)	Φ17 x 60		
57		100 x 1.5/2.0 ml	Φ11 x 42		
58		100 x 2.0 ml	Φ10.8 x 44		
59		80 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
60		112 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
61		Round Buckets - 148 x 5 ml Radio-immunity tube	Φ13 x 75-100		
62		Round Buckets - 96 x 1.6-7 ml blood collection tube	Φ13 x 75-100		
63		Plate Buckets - 4 x 2 pcs microplates / microtiter / cell culture / deep well	Load dimensions (WxDxH) up to 128x87x60 mm		
64	No. 5-2 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
65	No. 6-1 Swing-Bucket Rotor	4 x 750 ml (can spin 4 x 400-450 ml blood bag without filter)	Φ100 x 141	4 000 rpm	3 500 Xg
66		Adapters - 4 x 500 ml	Φ80 x 137		
67		4 x 250 ml	Φ63 x 111		
68		12 x 100 ml	Φ38 x 114		
69		28 x 50 ml conical	Φ29 x 116		
70		28 x 50 ml round	Φ29 x 111		
71		28 x 30 ml	Φ25.5 x 100		
72		56 x 15 ml	Φ17 x 121		
73		72 x 10 ml	Φ16.5 x 86-110		
74		56 x 5 ml conical	Φ17 x 60		
75		96 x 1.5/2.0 ml	Φ11 x 42		
76		88 x 2.0 ml	Φ10.8 x 44		
77		96 x 0.5 ml	Φ8 x 30		
78		76 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		

79		96 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
80		148 x 5 ml Radio-immunity tube	Φ13 x 75-100		
81		4 x 30/50 ml Falcon, / Corning Cell Culture Flasks	-		
82		8 x 40 ml Nunc, Cell Culture Flasks (T-25 cm ²)	-		
83		4 x 160 ml Nunc, Cell Culture Flasks (T-75 cm ²)	-		
84		4 x 200 ml Falcon, / Greiner / Nunc, Cell Culture Flasks	-		
85	No. 6-2 Swing-Bucket Rotor	4 x 500 ml Corning conical bottle	Φ96 x 147	4 000 rpm	3 500 Xg
86	No. 7 Swing-Bucket Rotor	Adapters for 6 x 250 ml Rotor (sets of 6 for each) - 6 x 250 ml	Φ63 x 111	4 000 rpm	3 580 Xg
87		6 x 100 ml	Φ38 x 114		
88		6 x 50 ml (conical/round)	Φ29 x 116 / Φ29 x 111		
89		12 x 50 ml conical	Φ29 x 116		
90		12 x 50 ml round	Φ29 x 111		
91		12 x 30 ml	Φ25.5 x 100		
92		30 x 15 ml	Φ17 x 121		
93		54 x 10 ml	Φ16.5 x 86-110		
94		30 x 5 ml conical	Φ17 x 60		
95		48 x 1.5/2.0 ml	Φ11 x 42		
96		48 x 2.0 ml	Φ10.8 x 44		
97		60 x 0.5 ml	Φ8 x 30		
98		30 x 10 ml virus sampling tube	Φ16 x 97-101		
99		42 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102		
100		112 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100		
101	No. 8-1 Fixed-Angle Rotor	12 x 15 ml	Φ17 x 121	6 000 rpm	5 120 Xg
102	No. 8-2 Fixed-Angle Rotor	6 x 50 ml	Φ29 x 111-116	6 000 rpm	5 120 Xg



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