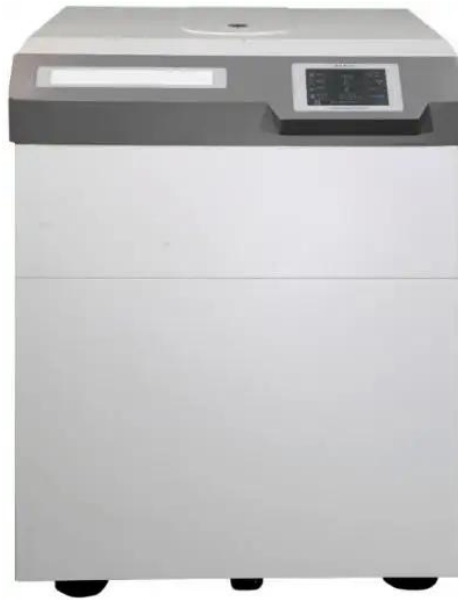




LABORATORY LOW SPEED CENTRIFUGE BFD1BP1 (BCBL-111)

LABORATORY LOW SPEED CENTRIFUGE BFD1BP1

FLOOR STANDING LOW SPEED LARGE CAPACITY CENTRIFUGE



SPECIFICATIONS

Model	BFD1BP1
Old Model	BCBL-111
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
Drive System	Direct, induction motor drive (Inverter Control)
Display	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
Safety Device	Imbalance protection, overspeed protection, overcurrent protection, lid interlock system, lid open/close detection, steel housing, corrosion-resistant stainless steel centrifuge chamber, additional inner steel armored guard ring, steel lid, etc.
Noise Level	≤ 58 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 24.4 x 33 in / 68 x 62 x 84 cm
Weight w/o Rotor	295 lb / 134 kg
Alt Name	Floor Standing Low Speed Large Capacity 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)	Rotor Cross (order tube racks separately)	-	5 000 rpm	4 650 Xg

2	No. 1 Swing-out Rotor (Tube Racks)	4 x 50 ml	Φ29 x 111-116	5 000 rpm	4 650 Xg
3	No. 1 Swing-out Rotor (Tube Racks)	4 x 100 ml	Φ38 x 114	5 000 rpm	4 650 Xg
4	No. 2-1 Swing-out Rotor (Rotor Cross)	Rotor Cross (order tube racks separately)	-	4 000 rpm	2 980 Xg
5	No. 2-1 Swing-out Rotor (Tube Racks)	8 x 50 ml	Φ29 x 111-116	4 000 rpm	2 980 Xg
6	No. 2-1 Swing-out Rotor (Tube Racks)	8 x 100 ml	Φ38 x 114	4 000 rpm	2 980 Xg
7	No. 2-1 Swing-out Rotor (Tube Racks)	24 x 10 ml	Φ16.5 x 86-110	4 000 rpm	2 980 Xg
8	No. 2-1 Swing-out Rotor (Tube Racks)	24 x 15 ml	Φ17 x 121	4 000 rpm	2 980 Xg
9	No. 2-1 Swing-out Rotor (Tube Racks)	32 x 10 ml	Φ16.5 x 86-110	4 000 rpm	2 980 Xg
10	No. 2-1 Swing-out Rotor (Tube Racks)	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 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)	Rotor Cross (order buckets, tube racks, adapters separately)	-	5 000 rpm	5 200 Xg
16	No. 3 Swing-Bucket Rotor (Round Buckets)	4 x 250 ml	Φ63 x 111	5 000 rpm	5 200 Xg
17	No. 3 Swing-Bucket Rotor (Round Buckets)	4 x 100 ml	Φ38 x 114	5 000 rpm	5 200 Xg
18	No. 3 Swing-Bucket Rotor (Round Buckets)	4 x 50 ml	Φ29 x 111-116	5 000 rpm	5 200 Xg
19	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	8 x 50 ml conical	Φ29 x 116	5 000 rpm	5 200 Xg
20	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	8 x 50 ml round	Φ29 x 111	5 000 rpm	5 200 Xg
21	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	20 x 30 ml	Φ25.5 x 100	5 000 rpm	5 200 Xg
22	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	20 x 15 ml	Φ17 x 121	5 000 rpm	5 200 Xg
23	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	36 x 10 ml	Φ16.5 x 86-110	5 000 rpm	5 200 Xg
24	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	20 x 5 ml conical	Φ17 x 60	5 000 rpm	5 200 Xg
25	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	40 x 1.5/2.0 ml	Φ11 x 42	5 000 rpm	5 200 Xg
26	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	32 x 2.0 ml	Φ10.8 x 44	5 000 rpm	5 200 Xg
27	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	40 x 0.5 ml	Φ8 x 30	5 000 rpm	5 200 Xg
28	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	20 x 10 ml virus sampling tube	Φ16 x 97-101	5 000 rpm	5 200 Xg
29	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	28 x 4-10 ml blood collection/urine tube	Φ16 x 75-100 / Φ15 x 75-102	5 000 rpm	5 200 Xg
30	No. 3 Swing-Bucket Rotor (Adapters for 250 ml Buckets)	40 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	5 000 rpm	5 200 Xg
31	No. 3 Swing-Bucket Rotor (Tube Racks)	32 x 15 ml	Φ17 x 121	5 000 rpm	5 200 Xg
32	No. 4 Swing-Bucket Rotor	2 x 3 pcs microplates (96 wells) / microtiter or culture plates / deep well plates	Load dimensions (W x D x H) up to 128 x 87 x 60 mm	4 000 rpm	1 970 Xg
33	No. 5 Swing-Bucket Rotor (Rotor Cross)	Rotor Cross (order buckets, adapters separately)	-	4 000 rpm	-

34	No. 5 Swing-Bucket Rotor (Round Buckets)	4 x 500 ml	Φ80 x 137	4 000 rpm	-
35	No. 5-1 Swing-Bucket Rotor (Adapters for 500 ml Round Buckets)	56 x 4-10 ml blood collection/urine tube	Φ16 x 75-100 / Φ15 x 75-102	4 000 rpm	3 220 Xg
36	No. 5-1 Swing-Bucket Rotor (Adapters for 500 ml Round Buckets)	72 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	3 220 Xg
37	No. 5-1 Swing-Bucket Rotor (Adapters for 500 ml Round Buckets)	4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	4 000 rpm	3 220 Xg
38	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	20 x 50 ml conical	Φ29 x 116	4 000 rpm	3 220 Xg
39	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	20 x 50 ml round	Φ29 x 111	4 000 rpm	3 220 Xg
40	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	20 x 30 ml	Φ25.5 x 100	4 000 rpm	3 220 Xg
41	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	40 x 15 ml	Φ17 x 121	4 000 rpm	3 220 Xg
42	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	40 x 5 ml conical	Φ17 x 60	4 000 rpm	3 220 Xg
43	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	100 x 1.5/2.0 ml	Φ11 x 42	4 000 rpm	3 220 Xg
44	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	100 x 2.0 ml	Φ10.8 x 44	4 000 rpm	3 220 Xg
45	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	48 x 10 ml virus sampling tube	Φ16 x 97-101	4 000 rpm	3 220 Xg
46	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	80 x 4-10 ml blood collection/urine tube	Φ16 x 75-100 / Φ15 x 75-102	4 000 rpm	3 220 Xg
47	No. 5-1 Swing-Bucket Rotor (Rectangular Buckets - set of 4)	112 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	3 220 Xg
48	No. 5-1 Swing-Bucket Rotor (Round Buckets - set of 4)	148 x 5 ml Radio-immunity tube	Φ13 x 75-100	4 000 rpm	3 220 Xg
49	No. 5-1 Swing-Bucket Rotor (Round Buckets - set of 4)	96 x 1.6-7 ml blood collection tube	Φ13 x 75-100	4 000 rpm	3 220 Xg
50	No. 5-1 Swing-Bucket Rotor (Plate Buckets - set of 4)	4 x 2 pcs microplates (96 wells) or 4 x 2 pcs microtiter plates or 4 x 2 pcs cell culture plates or 4 x 1 pc deep well plates	Load dimensions (WxDxH) up to 128x87x60 mm	4 000 rpm	3 220 Xg
51	No. 5-2 Swing-Bucket Rotor	4 x 250 ml Corning conical bottle or 4 x 200 ml Nunc bottle	Φ60 x 164	4 000 rpm	3 400 Xg
52	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	4 x 250 ml	Φ63 x 111	4 000 rpm	3 500 Xg
53	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	12 x 100 ml	Φ38 x 114	4 000 rpm	3 500 Xg
54	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	28 x 50 ml conical	Φ29 x 116	4 000 rpm	3 500 Xg
55	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	28 x 50 ml round	Φ29 x 111	4 000 rpm	3 500 Xg
56	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	28 x 30 ml	Φ25.5 x 100	4 000 rpm	3 500 Xg
57	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	56 x 15 ml	Φ17 x 121	4 000 rpm	3 500 Xg
58	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	72 x 10 ml	Φ16.5 x 86-110	4 000 rpm	3 500 Xg
59	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	56 x 5 ml conical	Φ17 x 60	4 000 rpm	3 500 Xg
60	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	96 x 1.5/2.0 ml	Φ11 x 42	4 000 rpm	3 500 Xg

61	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	88 x 2.0 ml	Φ10.8 x 44	4 000 rpm	3 500 Xg
62	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	96 x 0.5 ml	Φ8 x 30	4 000 rpm	3 500 Xg
63	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	76 x 4-10 ml blood collection/urine tube	Φ16 x 75-100 / Φ15 x 75-102	4 000 rpm	3 500 Xg
64	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	96 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	3 500 Xg
65	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	148 x 5 ml Radio-immunity tube	Φ13 x 75-100	4 000 rpm	3 500 Xg
66	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	4 000 rpm	3 500 Xg
67	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	4 x 30/50 ml Falcon, Cell Culture Flasks or 4 x 30/50 ml Corning Cell Culture Flasks	-	4 000 rpm	3 500 Xg
68	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	8 x 40 ml Nunc, Cell Culture Flasks (T-25 cm ²)	-	4 000 rpm	3 500 Xg
69	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	4 x 160 ml Nunc, Cell Culture Flasks (T-75 cm ²)	-	4 000 rpm	3 500 Xg
70	No. 6-1 Swing-Bucket Rotor (Adapters for 4 x 750 ml Rotor)	4 x 200 ml Falcon, Greiner/Nunc, Cell Culture Flasks	-	4 000 rpm	3 500 Xg
71	No. 6-2 Swing-Bucket Rotor	4 x 500 ml Corning conical bottle	Φ96 x 147	4 000 rpm	3 500 Xg
72	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	6 x 250 ml	Φ63 x 111	4 000 rpm	3 580 Xg
73	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	6 x 100 ml	Φ38 x 114	4 000 rpm	3 580 Xg
74	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	6 x 50 ml	Φ29 x 111-116	4 000 rpm	3 580 Xg
75	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	12 x 50 ml conical	Φ29 x 116	4 000 rpm	3 580 Xg
76	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	12 x 50 ml round	Φ29 x 111	4 000 rpm	3 580 Xg
77	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	12 x 30 ml	Φ25.5 x 100	4 000 rpm	3 580 Xg
78	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	30 x 15 ml	Φ17 x 121	4 000 rpm	3 580 Xg
79	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	54 x 10 ml	Φ16.5 x 86-110	4 000 rpm	3 580 Xg
80	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	30 x 5 ml conical	Φ17 x 60	4 000 rpm	3 580 Xg
81	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	48 x 1.5/2.0 ml	Φ11 x 42	4 000 rpm	3 580 Xg
82	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	48 x 2.0 ml	Φ10.8 x 44	4 000 rpm	3 580 Xg
83	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	60 x 0.5 ml	Φ8 x 30	4 000 rpm	3 580 Xg
84	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	30 x 10 ml virus sampling tube	Φ16 x 97-101	4 000 rpm	3 580 Xg
85	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	42 x 4-10 ml blood collection/urine tube	Φ16 x 75-100 / Φ15 x 75-102	4 000 rpm	3 580 Xg
86	No. 7 Swing-Bucket Rotor (Adapters for 6 x 250 ml Rotor)	60 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	3 580 Xg
87	No. 8 Swing-Bucket Rotor (4 x buckets)	4 x buckets	-	4 000 rpm	3 580 Xg
88	No. 8 Swing-Bucket Rotor (Adapters for buckets)	4 x 500 ml	Φ80 x 137	4 000 rpm	3 580 Xg

89	No. 8 Swing-Bucket Rotor (Adapters for buckets)	4 x 250 ml	Φ63 x 111	4 000 rpm	3 580 Xg
90	No. 8 Swing-Bucket Rotor (Adapters for buckets)	16 x 100 ml	Φ38 x 114	4 000 rpm	3 580 Xg
91	No. 8 Swing-Bucket Rotor (Adapters for buckets)	28 x 50 ml conical	Φ29 x 116	4 000 rpm	3 580 Xg
92	No. 8 Swing-Bucket Rotor (Adapters for buckets)	28 x 50 ml round	Φ29 x 111	4 000 rpm	3 580 Xg
93	No. 8 Swing-Bucket Rotor (Adapters for buckets)	28 x 30 ml	Φ25.5 x 100	4 000 rpm	3 580 Xg
94	No. 8 Swing-Bucket Rotor (Adapters for buckets)	56 x 15 ml	Φ17 x 121	4 000 rpm	3 580 Xg
95	No. 8 Swing-Bucket Rotor (Adapters for buckets)	72 x 10 ml	Φ16.5 x 86-110	4 000 rpm	3 580 Xg
96	No. 8 Swing-Bucket Rotor (Adapters for buckets)	56 x 5 ml conical	Φ17 x 60	4 000 rpm	3 580 Xg
97	No. 8 Swing-Bucket Rotor (Adapters for buckets)	88 x 1.5/2.0 ml	Φ11 x 42	4 000 rpm	3 580 Xg
98	No. 8 Swing-Bucket Rotor (Adapters for buckets)	88 x 2.0 ml	Φ10.8 x 44	4 000 rpm	3 580 Xg
99	No. 8 Swing-Bucket Rotor (Adapters for buckets)	140 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4 000 rpm	3 580 Xg
100	No. 9-1 Fixed-Angle Rotor	12 x 15 ml	Φ17 x 121	6 000 rpm	5 120 Xg
101	No. 9-2 Fixed-Angle Rotor	6 x 50 ml	Φ29 x 111-116	6 000 rpm	-



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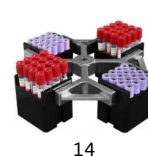
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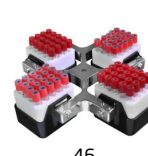
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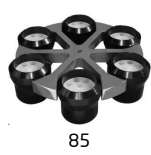
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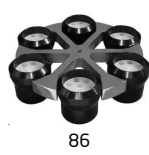
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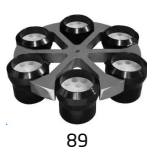
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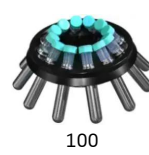
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Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com