



LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE BFD1S1 (BCBLR-307)

LABORATORY HIGH SPEED REFRIGERATED CENTRIFUGE

BFD1S1

BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE



SPECIFICATIONS

Model	BFD1S1
Old Model	BCBLR-307
Swing-Bucket Rotors	
--Max. Capacity	4 x 250 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 or AC 100-127 V, 50/60 Hz
Max. Power Consumption	1.2 KW
Dimension (W x D x H)	25.2 x 22 x 15.4 in / 64 x 56 x 39 cm
Weight w/o Rotor	176 lb / 80 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	18,500 rpm	23,915 Xg

2	No.2 Fixed-Angle Rotor	12 x 5 ml	Φ14 x 54	15,000 rpm	18,270 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	15,000 rpm	21,790 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	17,600 rpm	30,025 Xg
5	No.4-1 Fixed-Angle Rotor	12 x 10 ml	Φ16 x 86	14,000 rpm	18,120 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	13,000 rpm	16,340 Xg
7	No.5-1 Fixed-Angle Rotor	6 x 50 ml (conical)	Φ29 x 116	12,000 rpm	15,700 Xg
8	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	12,000 rpm	15,780 Xg
9	No.5-3 Fixed-Angle Rotor	6 x 50 ml (round)	Φ29 x 111	12,000 rpm	15,700 Xg
10	No.6-1 Fixed-Angle Rotor	4 x 100 ml	Φ38 x 123	11,000 rpm	13,350 Xg
11	No.6-2 Fixed-Angle Rotor	8 x 50 ml (conical)	Φ29 x 116	11,000 rpm	14,030 Xg
12	No.6-3 Fixed-Angle Rotor	12 x 15 ml	Φ17 x 121	11,000 rpm	15,890 Xg
13	No.6-4 Fixed-Angle Rotor	8 x 50 ml (round)	Φ29 x 111	11,000 rpm	13,350 Xg
14	No.6-5 Fixed-Angle Rotor	24 x 10 ml	Φ16 x 86	11,000 rpm	13,570 Xg
15	No.7 Fixed-Angle Rotor	6 x 10 ml	Φ16 x 86	16,000 rpm	18,980 Xg
16	No.8-1 Fixed-Angle Rotor	8 x 15 ml	Φ17 x 121	13,000 rpm	14,930 Xg
17	No.8-2 Fixed-Angle Rotor	6 x 30 ml	Φ25.5 x 100	13,000 rpm	15,910 Xg
18	No.9 Swing-Bucket Rotor	2 x 3 pcs microplates (96 wells) / 2 x 3 pcs microtiter plates / 2 x 2 pcs cell culture plates / 2 x 1 pc deep well plates	Load dimensions (WxDxH) up to 128x87x60 mm	4,000 rpm	1,970 Xg
19	No.10 Swing-Bucket Rotor	4 x 250 ml	Φ63 x 111	4,500 rpm	3,720 Xg
20	No.10 Swing-Bucket Rotor Adapter	4 x 100 ml	Φ38 x 114	4,500 rpm	3,720 Xg
21	No.10 Swing-Bucket Rotor Adapter	4 x 50 ml	Φ29 x 111-116	4,500 rpm	3,720 Xg
22	No.10 Swing-Bucket Rotor Adapter	8 x 50 ml (conical)	Φ29 x 116	4,500 rpm	3,720 Xg
23	No.10 Swing-Bucket Rotor Adapter	8 x 50 ml (round)	Φ29 x 111	4,500 rpm	3,720 Xg
24	No.10 Swing-Bucket Rotor Adapter	8 x 30 ml	Φ25.5 x 100	4,500 rpm	3,720 Xg
25	No.10 Swing-Bucket Rotor Adapter	20 x 15 ml	Φ17 x 121	4,500 rpm	3,720 Xg
26	No.10 Swing-Bucket Rotor Adapter	36 x 10 ml	Φ16.5 x 86-110	4,500 rpm	3,720 Xg
27	No.10 Swing-Bucket Rotor Adapter	20 x 5 ml (conical)	Φ17 x 60	4,500 rpm	3,720 Xg
28	No.10 Swing-Bucket Rotor Adapter	32 x 1.5/2.0 ml	Φ11 x 42	4,500 rpm	3,720 Xg
29	No.10 Swing-Bucket Rotor Adapter	32 x 2.0 ml	Φ10.8 x 44	4,500 rpm	3,720 Xg
30	No.10 Swing-Bucket Rotor Adapter	40 x 0.5 ml	Φ8 x 30	4,500 rpm	3,720 Xg
31	No.10 Swing-Bucket Rotor Adapter	20 x 10 ml virus sampling tube	Φ16 x 97-101	4,500 rpm	3,720 Xg
32	No.10 Swing-Bucket Rotor Adapter	28 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102	4,500 rpm	3,720 Xg
33	No.10 Swing-Bucket Rotor Adapter	40 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4,500 rpm	3,720 Xg
34	No.10 Swing-Bucket Rotor Conical Buckets	4 x 175/225 ml Falcon conical bottle	Φ61 x 118/137	4,500 rpm	3,720 Xg
35	No.10 Swing-Bucket Rotor Buckets	36 x 4-10 ml blood collection/urine tube	Φ16 x 75-100/Φ15 x 75-102	4,000 rpm	2,950 Xg
36	No.10 Swing-Bucket Rotor Buckets	48 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4,000 rpm	2,950 Xg
37	No.10 Swing-Bucket Rotor Buckets	64 x 1.6-7 ml blood collection/urine tube	Φ13 x 75-100	4,000 rpm	2,950 Xg
38	No.11 Fixed-Angle Rotor	12 x 50 ml (conical)	Φ29 x 116	8,000 rpm	9,160 Xg



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