



# BENCHTOP HIGH SPEED CENTRIFUGE BFD-10101

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## SPECIFICATIONS

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| Model                        | BFD-10101                                             |
| Max. Speed                   | 16500rpm                                              |
| Max. RCF                     | 24810xg                                               |
| Max. Capacity                | 6 x 100 ml                                            |
| Angle Rotor Max. Speed       | 16,500 rpm with 12 x 1.5/2.0 ml                       |
| Angle Rotor Max. RCF         | 24,810 xg with 24 x 1.5/2.0 ml                        |
| Angle Rotor Max. Capacity    | 6 x 100 ml                                            |
| Swing Rotor Max. Speed       | 4,000 rpm with 2 x 2 pcs microplates rotor            |
| Swing Rotor Max. RCF         | 1,530 xg with 2 x 2 pcs microplates rotor             |
| Swing Rotor Max. Capacity    | 2 x 2 pcs microplates (48 wells)                      |
| Control System               | Microprocessor                                        |
| Drive System                 | Direct, induction motor drive                         |
| Display                      | Full color touchscreen interface                      |
| Programmability              | Via easy access touchscreen menu                      |
| Rotor Identification         | Auto-ID Instant, immediately upon rotor insertion     |
| Multi-stage Centrifugal Mode | Max. up to 5 stages of speed & time                   |
| User Lockout Function        | Yes                                                   |
| Data Communication           | USB port (Run history can be output through USB port) |
| Program Storage              | 1,000 user-defined                                    |
| Running Time                 | 1 s-99 h:59 min:59 s                                  |
| Timer                        | Count up or down                                      |
| Speed Accuracy               | ±10 r/min                                             |
| Accel/Decel Profiles         | 40/40                                                 |
| Noise Level                  | ≤60 dB(A)                                             |
| Power Supply                 | AC 200-240 V, 50/60 Hz or AC 100-127 V, 50/60 Hz      |
| Max. Power Consumption       | 500 W                                                 |
| Dimension (W x D x H)        | 14.2 x 17.7 x 12.6 in / 36 x 45 x 32 cm               |
| Weight w/o Rotor             | 64 lb / 29 kg                                         |
| Alt Name                     | Benchtop High Speed Centrifuge                        |

## ACCESSORIES FOR PURCHASE

| No | Name                      | Capacity                                                                                | Speed      | RCF       |
|----|---------------------------|-----------------------------------------------------------------------------------------|------------|-----------|
| 1  | No. 1 Fixed-Angle Rotor   | 12 x 1.5/2.0 ml<br>(with adapters for 0.2/0.5ml tube)                                   | 16 500 rpm | 19 050 Xg |
| 2  | No. 2 Fixed-Angle Rotor   | 12 x 5 ml                                                                               | 15 000 rpm | 18 280 Xg |
| 3  | No. 3-1 Fixed-Angle Rotor | 24 x 1.5/2.0 ml<br>(with adapters for 0.2/0.5ml tube)                                   | 16 000 rpm | 24 810 Xg |
| 4  | No. 3-2 Fixed-Angle Rotor | 24 x 1.5/2.0 ml<br>(with adapters for 0.2/0.5ml tube)<br>(rotor with Aerosol-tight lid) | 16 000 rpm | 24 810 Xg |
| 5  | No. 4-1 Fixed-Angle Rotor | 12 x 10 ml                                                                              | 13 000 rpm | 15 620 Xg |
| 6  | No. 4-2 Fixed-Angle Rotor | 36 x 1.5/2.0 ml<br>(with adapters for 0.2/0.5ml tube)                                   | 13 000 rpm | 15 620 Xg |
| 7  | No. 5-1 Fixed-Angle Rotor | 6 x 50 ml (conical)                                                                     | 12 000 rpm | 15 710 Xg |
| 8  | adapters                  |                                                                                         |            |           |
| 9  | adapters                  |                                                                                         |            |           |
| 10 | adapters                  |                                                                                         |            |           |
| 11 | adapters                  |                                                                                         |            |           |
| 12 | adapters                  |                                                                                         |            |           |
| 13 | adapters                  |                                                                                         |            |           |
| 14 | adapters                  |                                                                                         |            |           |
| 15 | adapters                  |                                                                                         |            |           |
| 16 | adapters                  |                                                                                         |            |           |
| 17 | adapters                  |                                                                                         |            |           |
| 18 | No. 5-2 Fixed-Angle Rotor | 48 x 1.5/2.0 ml<br>(with adapters for 0.2/0.5ml tube)                                   | 12 000 rpm | 15 710 Xg |
| 19 | No. 5-3 Fixed-Angle Rotor | 6 x 50 ml (round bottom)                                                                | 12 000 rpm | 15 710 Xg |
| 20 | adapters                  |                                                                                         |            |           |
| 21 | adapters                  |                                                                                         |            |           |
| 22 | adapters                  |                                                                                         |            |           |
| 23 | adapters                  |                                                                                         |            |           |
| 24 | adapters                  |                                                                                         |            |           |
| 25 | adapters                  |                                                                                         |            |           |
| 26 | adapters                  |                                                                                         |            |           |
| 27 | adapters                  |                                                                                         |            |           |
| 28 | adapters                  |                                                                                         |            |           |
| 29 | No. 6-1 Fixed-Angle Rotor | 4 x 100 ml                                                                              | 10 000 rpm | 11 040 Xg |
| 30 | adapters                  |                                                                                         |            |           |
| 31 | adapters                  |                                                                                         |            |           |
| 32 | adapters                  |                                                                                         |            |           |
| 33 | adapters                  |                                                                                         |            |           |
| 34 | adapters                  |                                                                                         |            |           |
| 35 | adapters                  |                                                                                         |            |           |
| 36 | adapters                  |                                                                                         |            |           |

|    |                           |                          |            |           |
|----|---------------------------|--------------------------|------------|-----------|
| 37 | adapters                  |                          |            |           |
| 38 | adapters                  |                          |            |           |
| 39 | adapters                  |                          |            |           |
| 40 | adapters                  |                          |            |           |
| 41 | adapters                  |                          |            |           |
| 42 | No. 6-2 Fixed-Angle Rotor | 8 x 50 ml (conical)      | 10 000 rpm | 11 040 Xg |
| 43 | adapters                  |                          |            |           |
| 44 | adapters                  |                          |            |           |
| 45 | adapters                  |                          |            |           |
| 46 | adapters                  |                          |            |           |
| 47 | adapters                  |                          |            |           |
| 48 | adapters                  |                          |            |           |
| 49 | adapters                  |                          |            |           |
| 50 | adapters                  |                          |            |           |
| 51 | adapters                  |                          |            |           |
| 52 | adapters                  |                          |            |           |
| 53 | No. 6-3 Fixed-Angle Rotor | 12 x 15 ml               | 10 000 rpm | 11 040 Xg |
| 54 | adapters                  |                          |            |           |
| 55 | adapters                  |                          |            |           |
| 56 | adapters                  |                          |            |           |
| 57 | adapters                  |                          |            |           |
| 58 | adapters                  |                          |            |           |
| 59 | adapters                  |                          |            |           |
| 60 | No. 6-4 Fixed-Angle Rotor | 24 x 10 ml               | 10 000 rpm | 11 040 Xg |
| 61 | No. 6-5 Fixed-Angle Rotor | 8 x 50 ml (round bottom) | 10 000 rpm | 11 040 Xg |
| 62 | adapters                  |                          |            |           |
| 63 | adapters                  |                          |            |           |
| 64 | adapters                  |                          |            |           |
| 65 | adapters                  |                          |            |           |
| 66 | adapters                  |                          |            |           |
| 67 | adapters                  |                          |            |           |
| 68 | adapters                  |                          |            |           |
| 69 | adapters                  |                          |            |           |
| 70 | adapters                  |                          |            |           |
| 71 | No. 7 Fixed-Angle Rotor   | 6 x 10 ml                | 16 000 rpm | 19 000 Xg |
| 72 | No. 8-1 Fixed-Angle Rotor | 8 x 15 ml                | 13 000 rpm | 14 940 Xg |
| 73 | adapters                  |                          |            |           |
| 74 | adapters                  |                          |            |           |
| 75 | adapters                  |                          |            |           |
| 76 | adapters                  |                          |            |           |
| 77 | adapters                  |                          |            |           |
| 78 | adapters                  |                          |            |           |

|    |                           |                                  |            |           |
|----|---------------------------|----------------------------------|------------|-----------|
| 79 | No. 8-2 Fixed-Angle Rotor | 6 x 30 ml                        | 13 000 rpm | 14 940 Xg |
| 80 | adapters                  |                                  |            |           |
| 81 | adapters                  |                                  |            |           |
| 82 | adapters                  |                                  |            |           |
| 83 | No. 9 Fixed-Angle Rotor   | 8 x PCR-Strips                   | 13 000 rpm | 14 640 Xg |
| 84 | No. 10 Fixed-Angle Rotor  | 6 x 100 ml                       | 8 000 rpm  | 7 720 Xg  |
| 85 | adapters                  |                                  |            |           |
| 86 | adapters                  |                                  |            |           |
| 87 | adapters                  |                                  |            |           |
| 88 | adapters                  |                                  |            |           |
| 89 | adapters                  |                                  |            |           |
| 90 | adapters                  |                                  |            |           |
| 91 | adapters                  |                                  |            |           |
| 92 | adapters                  |                                  |            |           |
| 93 | adapters                  |                                  |            |           |
| 94 | adapters                  |                                  |            |           |
| 95 | adapters                  |                                  |            |           |
| 96 | adapters                  |                                  |            |           |
| 97 | No. 11 Swing-Bucket Rotor | 2 x 2 pcs microplates (48 wells) | 4 000 rpm  | 1 530 Xg  |



**Biolab Scientific Ltd.**

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

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)