



## FREEZE DRYER BFBT-102-B

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Simple and economical means of freeze drying for stabilization of living material and preservation of fragile substances. Equipped with vacuum freeze drying technology and customizable tray spacing, this is the right product for your small scale freeze drying requirements.

Used in Laboratory, Research, Proteins, Organic Tissues, Waste Products, Plant Material, Polymers, Pharmaceuticals, Nutraceuticals, Plant material.

Also known as Benchtop Freeze Dryer, Tabletop Lyophilizer, Laboratory Benchtop Freeze Dryer, Laboratory Tabletop Lyophilizer, Benchtop Lyophilizer, Laboratory Benchtop Lyophilizer, T-Manifold Freeze Dryer.

## BFBT-102-B FREEZE DRYER



- Condenser, control panel, shelves and trays are made of stainless steel
- Low noise compressor with a long shelf life
- The drying chamber is equipped with organic glass for safety and visibility
- Condenser features pre-freezing function
- Features vacuum freeze drying technology
- Drying curves are displayed on LCD screen
- Tray spacing can be customized
- Eco-friendly CFC free refrigeration system
- Features nitrogen valve and eutectic test device (optional)

## SPECIFICATIONS

|                            |                     |
|----------------------------|---------------------|
| Model                      | BFBT-102-B          |
| Type                       | Top Press           |
| Capacity                   | 1.2 L               |
| Condenser Temperature      | -80°C               |
| Water Holding Capacity     | 3-4 /24h            |
| Freeze Drying Surface Area | 0.08 m <sup>2</sup> |
| Pre Freeze Shelf Dimension | φ 180 mm            |
| Vacuum Degree              | < 10 Pa             |
| Pump Flow Rate             | 3 L/sec             |
| Overall Dimension (mm)     | 831 x680x(400+430)  |
| Shelves                    | 4                   |
| Weight                     | 105 kg              |
| Power                      | 970                 |
| Power Supply               | 110-220V, 50/60Hz   |

## OPTIONAL ACCESSORIES

| Accessory Code | Name                                     | Description | Trays | Temperature |
|----------------|--|-------------|-------|-------------|
| 1900606006     | Nitrogen inflation valve                 |             |       |             |
| 1900606007     | Exhaust filter/ Oil mist filter for pump |             |       |             |
| 1900606008     | Air inlet filter for pump                |             |       |             |

|            |                                |  |                         |                                     |
|------------|--------------------------------|--|-------------------------|-------------------------------------|
| 1900606009 | Anti oil return valve for pump |  |                         |                                     |
| 1900606010 | Electricity heating defrosting |  |                         |                                     |
| 1900606011 | Electric heating shelf         |  |                         |                                     |
| 1900606012 | Trays                          | Trays : dia. 180mm/ dia.200mm  | Diameter<br>180mm/200mm |                                     |
| 1900606013 | RS232 and software             | Check and keep freeze drying data on computer; control freeze dryer through PC |                         |                                     |
| 1900606014 | -80°C Condenser                | Minimum condenser temperature as -80°C   |                         | Min. condenser temperature as -80°C |



**Biolab Scientific Ltd.**

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada  
 Email: [contact@biolabscientific.com](mailto:contact@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)