



## FREEZE DRYER BFBT-101-B

## FREEZE DRYER BFBT-101-B

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-101-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-101-B          |
| Type                       | Standard            |
| Capacity                   | 1.2 L               |
| Condenser Temperature      | -80°C               |
| Water Holding Capacity     | 3-4 /24h            |
| Freeze Drying Surface Area | 0.12 m <sup>2</sup> |
| Pre Freeze Shelf Dimension | φ 200 mm            |
| Vacuum Degree              | < 10 Pa             |
| Pump Flow Rate             | 2 L/sec             |
| Overall Dimension (mm)     | 830 x680x(400+430)  |
| Shelves                    | 4                   |
| Weight                     | 100 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<br>data on computer; control freeze<br>dryer through PC |                         |   |
| 1900606014 | -80°C Condenser                | Minimum condenser<br>temperature as -80°C  |                         | Min. condenser<br>temperature as<br>-80°C |



**Biolab Scientific Ltd.**

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada

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