



LABORATORY BENCHTOP FREEZE DRYER BFBT-103-B

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FREEZE DRYER

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.



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-103-B
Capacity	1.2 L
Condenser Temperature	-80°C
Water Holding Capacity	3-4 /24h
Freeze Drying Surface Area	0.12 m ²
Pre Freeze Shelf Dimension	φ 200 mm
Vacuum Degree	< 10 Pa
Pump Flow Rate	2 L/sec
Vial φ 22	260
Vial φ 16	480
Vial φ 12	920
Overall Dimension (mm)	831 x 680 x (400 + 430)
Shelves	4
Weight	105 kg
Power	970
Power Supply	110-220V, 50/60Hz
Alt Name	Manifold Type

ACCESSORIES FOR PURCHASE

No	Name	Description	Temperature
1	Nitrogen inflation valve		
2	Exhaust filter/ Oil mist filter for pump		
3	Air inlet filter for pump		
4	Anti oil return valve for pump		
5	Electricity heating defrosting		
6	Electric heating shelf		
7	Trays		

8	RS232 and software	Check and keep freeze drying data on computer; control freeze dryer through PC	
9	-80°C Condenser	Minimum condenser temperature as -80°C	Min. condenser temperature as -80°C

APPLICATIONS

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



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