

Lyophilizer



The lab series freeze dryer is suitable for freeze drying test of laboratory biomedical samples. Widely used in drugs, biological products, chemical and food industries; On the heat-sensitive substances such as antibiotics, vaccines, blood products, hormones and other biological tissue enzymes, freeze-drying technology is applied.

Key Features

- LCD touch screen
- With historical data inquiry function
- With USB interface to export the data
- Large capacity ice condenser trap and without coil inside
- With cascade refrigeration technology
- Pre-freezing shelves can be used as guide barrels to speed up the drying rate
- Ice condenser traps and operation panels are made of stainless steel
- The drying chamber is transparent which is visual and safe
- The shelves are stainless steel, which can be adjustable per the requirements

Specifications

Cat No.	BB-FD10S	BB-FD10P	BB-FD10T	BB-FD10PT
Type	Standard chamber	Standard chamber with 8 port manifolds	Stoppering chamber	Stoppering chamber with 8 port manifolds
Freeze Drying Area	0.12 m ²		0.09 m ²	
Tray	4/6(Optional)pcs		3pcs	
Height Between Trays	76/50mm		70mm	
Cold Trap Temperature	-60°C			
Cold Trap Capacity	6.9L			
Cold Trap Size (Diameter*H)	Φ215*190mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	3kg/24h			
Tray Size (D*H)	Φ200*20mm			
Freeze Drying Time	24h			
Loading Capacity/Shelf (Liquid)	0.3L			
Total Loading Capacity (Liquid)	1.2L		0.9L	
Drying Chamber Size (Diameter*H)	Lower circle Φ260mm (about 10.24 in), Upper circle Φ240mm (about 9.45 in) Height 450mm (about 1.48 ft)			
Total Qty. Of Vial Φ22	260		195	
Total Qty. Of Vial Φ16	480		360	
Total Qty. Of Vial Φ12	920		690	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Power Consumption	0.9KW			
Power Supply	AC220V, 50/60Hz (single phase); 110V, 60Hz (single phase)			
Standard Accessory	Vacuum pump 2L/S, 8m ³ /h, Material tray, Material rack, PC cover (for all models), Conical-mouth flask 500ml (about 16.91 oz) *8pcs, Switch valve*8 pcs (only for model BK-FD10P/PT)			
Optional Function & Accessory	Electrics defrost function, Nitrogen gas filling valve, Oil mist filter (for all models) 800ml (about 27.05 oz) wide-mouth flask (for BB-FD10P/PT)			
External Size (W*D*H)	600*560*374/820mm (about 2.69 ft)		600*560*374/880mm (about 2.89 ft)	
Package Size(W*D*H) mm/ Gross Weight	Main Body	670*700*560 (80kg)		
	Drying Chamber	400*400*620 (15kg)		
	Vacuum Pump	570*240*360 (22kg)		