



PILUIT

TWINCORE FREEZE DRYER

DATA SHEET

RESEARCH SERIES
PHARMACEUTICAL & BIOSCIENCE
FOOD INDUSTRY

Z-SCI BIOMEDICAL CORP.
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Research Series		TABLETOP TFD 8501	TABLETOP TFD 8503	FREEZE DRYER FD 8508	FREEZE DRYER FD 8512	FREEZE DRYER FD 8518	FREEZE DRYER FD 12008
Ice capacity		1 liters	2 liters	5 liters	10 liters	12 liters	5 liters
Total ice capacity		2 liters	3 liters	8 liters	12 liters	18 liters	8 liters
Condenser temperature		-70 to -85°C					-100 to -120°C
External dimensions (WxDxH mm)		450 x 525 x 500 mm	800 x 650 x 400 mm	800 x 705 x 860 mm			850 x 750 x 885 mm
Refrigeration		3/8 HP		1 1/4 HP			2 x 1 1/2 HP
Electrical		220V 60Hz, 230V 50Hz					
Certification		ISO9001 / ISO 14001 / CE					
Option	Drying Chamber	Multi Drying Chamber / Drying Chamber / Clear Drying Chamber / Heated Drying Chamber / Manifold Chamber					
	Product shelf	PH1212		PH1316			
	Vacuum pump	ISL6 (100 LPM)	ISL136 (196 LPM)	ISL136 (196 LPM) / ISL201 (283 LPM)			

Research Series		W/CONCENTRATOR MCFD 8508	W/CONCENTRATOR MCFD 8512	W/CONCENTRATOR MCFD 8518	SHELL FDS 8508	SHELL FDS 8512	SHELL FDS 8518
Ice capacity		5 liters	10 liters	12 liters	5 liters	10 liters	12 liters
Total ice capacity		8 liters	12 liters	18 liters	8 liters	12 liters	18 liters
Condenser temperature		-70 to -85°C			-70 to -85°C/Shell freezer: -40°C		
External dimensions (WxDxH mm)		1005 x 750 x 885 mm			805 x 750 x 860 mm		
Refrigeration		1 1/4 HP			1 1/4 HP + 3/8 HP		
Electrical		220V 60Hz, 230V 50Hz					
Certification		ISO9001 / ISO14001 / CE					
Option	Drying Chamber	MDC(Manifold 8 Port) or (H)DC1316 (**01/03 use to (H)DC1212)					
	Product shelf	PH1316					
	Vacuum pump	ISL136 (196 LPM) / ISL201 (283 LPM)					

Pharma BioScience Food Ind.		LP 10			LP 20			LP 30		
Ice capacity		8 liters			16 liters			24 liters		
Total ice capacity		10 liters			20 liters			30 liters		
Condenser temperature		-50 to -85°C -120°C								
Shelf temperature		-45 to +80°C								
Shelf areas		0.6m ² (0.2m ² /EA)			1.2m ² (0.2m ² /EA)			2m ² (0.4m ² /EA)		
Shelf quantity		3 + 1			6 + 1			5 + 1		
Shelf dimensions (WxDxH mm)		400 x 500 x 18						500 x 800 x 20		
External dimensions (WxDxH mm)		1490 x 910 x 1700			1580 x 1085 x 1950			1810 x 1456 x 1995		
Electrical		380/220V 3Ph 50/60Hz								
Refrigeration system		2HP x 2EA			3HP x 2EA			5HP x 2EA		
Vacuum vol. (LPM)		417			648			841		
Manifold service port		5EA			5EA			-		
Serum Bottle & Vial Capacity of the Stoppering LP10 to 30	Bottle Size	5 ml	10 ml	30 ml	5 ml	10 ml	30 ml	5 ml	10 ml	30 ml
	Shelf Capacity	500	413	222	500	413	222	1,000	826	444
	No. of Shelf	3+1	3+1	3+1	6+1	6+1	6+1	5+1	5+1	5+1
	Total Capacity	1,500	1,240	667	3,000	2,479	1,333	5,000	4,132	2,222