









Bench top freeze dry system offer an economical solution for processing light loads of aqueous samples specially designed for use by researchers small footprint simple operation.

## FDL-10N-50-Series, Bench Top Freeze Dryers



FDL-10N-50: 50°C lyophilizer(freeze-dryer)				
	FDL-10N-50-BA	FDL-10N-50-8M	FDL-10N-50-TD	FDL-10N-50-TD-MM
Picture				
Freeze temperature	-50°C			
Vacuum degree	<15Pa			
Freeze-dry area	0.12 m <sup>2</sup>		0.07 m <sup>2</sup>	
Tray load	1.2L		0.7L	
Water capture	3kg/24h			
Sample tray	Φ200mm x4		Φ180mm x3	
Power supply	220V 50Hz 800W			
Machine size (mm)	L380xW500xH340			
Character	Big cold tray hole, with sample pre-freeze, stainless 304# cold tray, no pipe in cold tray, anti rust transparent plastic cover for dry chamber, security and direct-viewing stainless sample shelf, the distance between trays is adjustable international standard interface to pump			

## FDL-10N-80-Series, Floor Freeze Dryers

FDL-10N-80: 80°C lyophilizer(freeze-dryer)				
	FDL-10N-80-BA	FDL-10N-80-8M	FDL-10N-80-TD	FDL-10N-80-TD-MM
Picture				
Freeze temperature	-80°C			
Vacuum degree	<15Pa			
Freeze-dry area	0.12 m <sup>2</sup>		0.07 m <sup>2</sup>	
Tray load	1.2L		0.7L	
Water capture	3kg/24h	4kg/24h	3kg/24h	
Sample tray	Φ200mm x4 lays		Φ180mm x3 lays	
Power supply	220V 50Hz 800W	220V 50Hz 1300W	220V 50Hz 800W	
Machine size (mm)	L500xW500xH750	L492xW540xH800	L492xW500xH750	L500xW500xH750
Character	Big cold tray hole, with sample pre-freeze, stainless 304# cold tray, no pipe in cold tray, anti rust transparent plastic cover for dry chamber, security and direct-viewing stainless sample shelf, the distance between trays is adjustable international standard interface to pump			

# F FREEZE DRYERS

## FDL-10N-50/80T, Bench Top Freeze Dryers

FDL-10N-50 T type for multi-manifolds		
	FDL-10N-50T	FDL-10N-80T
Picture		
Brief	Basic components: 2L vacuum pump, 24pcs "T" shelf, 24pcs rubber valves. This type can be customized for your request	
Freeze temperature	-50°C	-80°C
Vacuum degree	<15Pa	
Water capture	3kg/24h	
Freeze-dry area	0.12m <sup>2</sup>	
Power supply	220V 50Hz 800W	
Machine size (mm)	L380xW500xH340	L500xW500xH750
Character	Big cold tray hole, with sample pre-freeze, stainless 304# cold tray, no pipe in cold tray, anti rust international standard interface to pump	

## FDL-18N-70-Series, Floor Freeze Dryers

FDL-18N-70: -70°C lyophilizer(freeze-dryer)					
	FDL-18N-70-NH	FDL-18N-70-BA	FDL-18N-70-TD	FDL-18N-70-8M	FDL-18N-70-TD-MM
Heat	Without heating	Basic type	Top-down stoppering	Multi-manifolds (8 manifolds)	Top-down stoppering & Multi-manifolds
Heating function	No	Yes			
Freeze temperature	< -70°C				
Vacuum degree	<13Pa				
Freeze-dry area	0.27m <sup>2</sup>	0.18	0.11	0.18	0.11
Tray load capacity	2.7L	1.8L	1.1L	1.8L	1.1L
Water capture	6kg/24h				
Sample tray	Φ200mm x6	Φ200mm x4	Φ200mm x3	Φ200mm x4	Φ200mm x3
Power supply	220V 50Hz 1800W				
Machine size (mm)	L540xW640xH920				