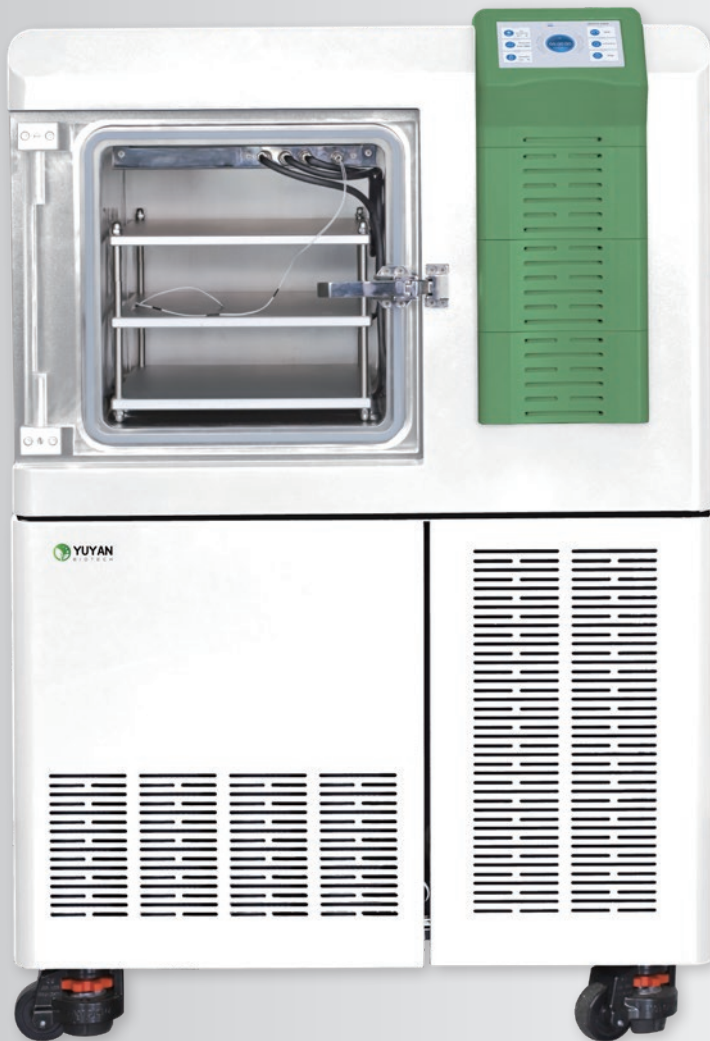


LFD 9055/9085/9105

Lab Public Platform Freeze Dryer

Big shelf area, easy operation



Easy operation

Simply open chamber door to load/unload samples, no need tedious operation of acrylic chamber; big touch screen for easy and clear operation.



Big shelf area

Upto 0.48m² freeze drying area for large volume sample loading and operation.



Faster freeze drying

Shelf has heating function to provide heat to samples to reduce freeze drying duration.



Corrosion-resistant

-85°C cold trap, suitable for both aqueous and organic sample; chamber is made of stainless steel to avoid organic corrosion.

LFD 9055/9085/9105

Features of freeze dryer in the lab public platform:

- ☆ Multiple users, and the proficiency of operators in operating the equipment varies.
- ☆ Various types of samples, including water-soluble samples and organic-soluble samples.
- ☆ Different types of samples and uncertain drying stages, some samples dry quickly, while others dry slowly.
- ☆ Uncertain sample volume.

Features of LFD 9 series:

The newly updated LFD 9055/9085/9105 freeze dryer features an easy-to-operate interface. The sample placement is simple and convenient, suitable for multiple users. It is fully compatible with various samples, whether they are water-soluble or organic solvent samples. The LFD 9 series freeze dryer can handle them all with ease. The three trays are heated, with a temperature control accuracy of $\pm 1^{\circ}\text{C}$ and can freeze dry simultaneously at high speed. For both large-scale or small-scale samples, it can quickly freeze dry to ensure perfect freeze-drying results.

The LFD 9 series freeze dryer is dedicated to enhancing the efficiency and quality of laboratory work, ensuring every experiment is precise and trouble-free.



Technical Specification	LFD 9 series		
	LFD 9055/9085/9105		
Lyo S operating system	●	Condenser temperature	-85/-105°C
Vacuum control	●	Shelf Qty.	3 shelves
Hot gas defrosting	●	Shelf area	0.48 m ²
Flange face seal	●	Shelf dimension	325*500mm
External coil condenser	●	Condenser efficiency	8Kg/24h
Teflon anti-corrosion coating	●	Max. ice capacity	12Kg
Frosting-proof insulation	●	Ultimate vacuum	0.01mbar/1pa
Sample temperature stimulation	●	Vacuum control range	0.001-1000mbar
One-key pressure relief	●	Main unit dimension	W860*D770*H1280mm
Vacuum pump anti-backfilling design	●	Main unit weight	180kg/200kg
Corrossion-resistant pump	●	Main unit power	2.2KW/2.3KW
Stopperring device	●	Power supply	16A, 220V

Remarks: ● Standard ○ Optiona — N/A

Choose your suitable freeze dryer

Simple freeze drying		Protocol exploration	
Acrylic chamber	Standalone	Single chamber pilot freeze dryer	Double chambers pilot freeze dryer
LFD 4 series LFD 6 series LFD 8 series	LFD 9 series	FD 806P-3 FD 806P-2 LYO 0485S	FD 815P-3S FD 815P-4S FD 815P LYO 0885D LYO 1585D

Choose suitable temperature

Choose different cold trap temperature according to the organic solution in the sample.

Choose your freeze dryer

Primary factor : the purpose of your application:

1.Simple freeze drying--lab freeze dryer: acrylic chamber freeze dryer and standalone freeze dryer.

2.Protocol exploration-- Pilot R&D&LYO series.

-55°C	-85°C	-105°C
Aqueous sample	Low freezing point sample	Sample containing organic
LFD 4055 LFD 6055 LFD 8055 LFD 9055	LFD 4085 LFD 6085 LFD 8085 LFD 9085	LFD 6105 LFD 8105 LFD 9105

4Kg	8Kg	12Kg
LFD 4055 LFD 4085	LFD 6055/LFD 6085/LFD 6105 LFD 9055/LFD 9085/LFD 9105	LFD 8055 LFD 8085 LFD 8105

Different ice capacity

Cold trap ice capacity is related to the total amount of water or other solvents sublimed in the sample in the laboratory's daily experimental operation. YUYAN lab freeze dryer has different ice capacity to meet the lab's requirement of different volume.

Unique option

For the features of lab platform, especially R&D lab platform. 1. Many users; 2. Various sample types; 3. Uncertain sample volume; 4. Different sample types and uncertain freeze drying cycle, YUYAN lab public platform freeze dryer is committed to meet the different needs of customers.

Lab Public Platform Freeze Dryer
LFD 9055/LFD 9085/LFD 9105