

## *LGJ-10 Lab Freeze Dryer, Benchtop, Top Press*



LGJ-10 gland vacuum freeze dryer is widely used in medicine, pharmacy, biology research, chemical industry and food production, etc. After the freeze drying process, long term preservation is much easier. They can be restored to the original state and maintain their chemical and biological characteristics after being watered. This model is suitable for experiment in laboratory and small amount production, and it can meet the regular freeze drying requirements of the most laboratories.

### **Features:**

- . All-in-one structure, small size, no external flange, easy to use, no leakage.
- . All materials in contact with the product use inert materials to meet the requirements of the GLP.
- . The cold trap and console are made of stainless steel, which is anti-corrosion and easy to clean.
- . All stainless steel inflated /water release valves designed and produced by our company, which is safety, anti-corrosion, no leakage.
- . With sample pre-frozen function, large cold trap opening, no inner coil, and low temperature refrigerator is needless.
- . Patented gas diversion technology, and strong iceholding ability.
- . World- known brand compressors, high efficiency, long life, low noise.
- . Well-known brand vacuum pump with a high pumping speed to achieve a higher ultimate vacuum.
- . Vacuum pump protection function can set the cold trap temperature to protect the vacuum pump life.
- . Professionally designed FD-LAB freeze-drying machine control system + SH-HPSC-I modular controller with high reliability and stability.
- . Intelligent data recording system can real-time record and display the cold trap temperature curve, sample temperature curve, vacuum curve.

**Technical parameters:**

freeze drying area	0.08m <sup>2</sup>
tray dia.	Φ180mm
No. of tray	3pcs
tray spacing	70mm
cold trap temperature	≤-56°C, optional ≤-80°C
cold trap dept	140mm
cold trap dia.	Φ215mm
ice collecting capacity	3-4kg/24h
pumping speed	2L/S
ultimate vacuum	≤5pa
power	970w
weight	41kg
overall dimensions	615×450×370mm
-80°C overall dimensions	850×680×405mm
drying chamber size	Φ260×490mm
cooling mode	wind cooled
defrosting mode	air cooled
tray capacity	0.8L (thickness 10mm)
loaded vials	
Φ12mm	492pcs
Φ16mm	279pcs
Φ22mm	147pcs