

labodam



STANDARD FREEZE DRYER LPFD-C10

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Standard Freeze Dryer LPFD-C10 is designed to handle lyophilization needs for scale up production. Equipped with 10 kg condenser capacity and a temperature of -70°C for effective lyophilization. It's ideal for freeze drying samples with low eutectic temperatures. The temperature controllable shelves are designed for complete moisture removal and storage facilities of various biological materials. Precise vacuum control enables faster freeze drying and reproducible results.

Features

- ◆ Ice condenser capacity is 10 kg / 24 h
- ◆ Condenser temperature (-70°C)
- ◆ Vacuum pump oil return
- ◆ Oil mist filtration system
- ◆ Automatic batch control production
- ◆ Clear acrylic door for easy product viewing during processing
- ◆ Easy to clean and anti-corrosion cold trap and operating table
- ◆ Display of sample temperature, vacuum curve degree, cold trap temperature curve
- ◆ Hot gas defrost and smooth-walled condensers for minimal delay between runs
- ◆ Real time alarm for fault detection
- ◆ Automatic data and history save

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Specifications

| Model No. | LPFD-C10 |
|-----------------------|---------------------|
| Condenser temperature | - 70 °C |
| Condenser capacity | 10 kg /24 h |
| Freeze drying area | 0.7 m ² |
| Bulk capacity | 6 L |
| Vial capacity Φ 12 mm | 4920 pieces |
| Vial capacity Φ 16 mm | 2728 pieces |
| Vial capacity Φ 22mm | 1408 pieces |
| Display | LCD touch screen |
| Shelves | 5 shelves |
| Shelves dimension | Φ 50 mm |
| Shelf temperature | -50 °C to 70 °C |
| Final Vacuum | < 10 Pa |
| Voltage | 220 V / 50 Hz |
| Power | 4500 W |
| Dimensions | 960 x 785 x 1450 mm |
| Weight | 380 kg |