

Technical datasheet

Basic Floor-Standing Laboratory Freeze Dryer

A floor-standing freeze dryer with 0.12 m² drying area, four material trays, a transparent acrylic drying chamber and a standard vacuum pump.



Representative main unit and selected drying head. Confirm supplied glassware and connections; the standard vacuum pump is not shown. Main-unit dimensions exclude the drying head.

Key features

Temperature / vacuum display and real-time curves

Data storage with standard USB export

Four removable material trays and supplied vacuum pump

Standard Configuration

Main unit with variable-speed refrigeration, insulated cold trap, one-piece transparent acrylic drying chamber, four removable material trays, controller displaying cold-trap temperature, sample temperature and vacuum, data storage, one USB interface and a vacuum pump. The listed drying area is 0.12 m². This basic tray configuration has no stated stoppering or external-manifold function.

Optional Accessories

A -85 °C minimum-temperature version is optional; confirm its refrigeration/electrical specification separately. Standard listed minimum is -60 °C. Confirm flask/vial sizes, quantities, supplied glassware, pump connections and delivery. Temperature/vacuum limits and water-capture values require confirmation of test conditions and loaded performance.

Technical Information

Parameter	Value
Model	PT-LYO-001
Drying area	0.12 m ²
Listed water capture	4 kg / 24 h
Listed minimum temperature	-60 °C
Ultimate vacuum	<1 Pa
Material trays	4
Listed tray solution capacity	1500 mL
Input power (W)	900 W
Electrical supply	AC 220 V ±10% / 50 Hz
Ambient operating temperature	10-30 °C
Optional minimum-temperature version	-85 °C

Parameter	Value
Cold-trap dimensions (diameter × height)	215 × 290 mm
Tray dimensions (diameter × height)	195 × 24 mm
Main unit dimensions (W × D × H)	480 × 635 × 850 mm

Selection / Ordering Information

Specify PRECETTA PT-LYO-001, sample composition, solution volume and required drying conditions. Confirm utilities, pump connections and final accessories before ordering.