Lyovapor™ L-300
First lab Freeze Dryer for continuous sublimation

With Infinite-Technology™ the Lyovapor™ L-300 offers continuous sublimation for the first time with two alternately working and automatically hygienically cleansed condensers at -105 °C. In addition, Infinite-Control™ allows entire process control of all relevant parameters, also via mobile devices.

Continuous
Unlimited sublimation of water and organic based solvents

Convenient
Intuitive and user-friendly interface, software and App

Economical
Low energy consumption and less maintenance needed
Lyovapor™ L-300
Key features and advantages

- Modular Drying Chamber
  Changeable to your application needs

- Accessible Connections
  Easy access to connections for external sensors and vacuum pump

- Endless Ice Capacity
  Two condensers -105 °C

- Intuitive Interface
  All process parameters at a glance

- Convenient Trolley
  Easy movement of the instrument due to durable wheels

Modular drying chamber

Acrylic chamber with heated shelves and stoppering for vial drying

Acrylic chamber with heated shelves for bulk and vial drying

Acrylic chamber with 12 manifold top and shelves for bulk, vial, and flask drying

Manifold with 12 valves for flask or beaker drying
Characteristics:

**Infinite-Control™**
Endless control anywhere, anytime of your freeze drying process due to interface, software and App.

**Automated cleaning**
An integrated steam generator melts the ice and cleans the condenser hygienically.

**End point determination**
Temperature difference, pressure difference, and pressure rise tests can be used with optional sensors to determine the end point.

**Flexible drying chambers**
- Adjustable shelf distance according to your application needs
- Possibility to link two manifold racks together

**Ergonomic handling**
- Easy reading of process parameters due to the adjustable display
- Adaptable position of the display at the front or on the side

**Upgradeability**
Upgrade to Interface Pro anytime to enable working within the advanced Lyovapor™ Software.

**Infinite-Technology™**
The Lyovapor™ L-300 is equipped with two small ice condensers. The Smart-Switch ensures stable pressure in the drying chamber and allows for the independent loading of the condensers. The condensers are automatically defrosted and hygienically cleaned with steam, allowing for infinite lyophilization. Small condenser volume enables use of smaller and more economical vacuum pump.
Lyovapor™ L-300: Your most important benefits

**Continuous**
- Infinite ice capacity due to alternate loading
- Stable pressure due to Smart-Switch
- Reproducible process due to stable parameters: cooling temperature, shelf temperature variation ±1 °C and vacuum pressure
- Lyophilization of water and organic based solvents at -105 °C

**Convenient**
- User-friendly and clearly arranged touch-screen control panel
- Get push notifications and process parameters anytime, anywhere using the BUCHI Monitor App
- Advanced software for creating and managing methods, data recording and reporting
- Maximum flexibility regarding display positioning (at front or side)
- Save your precious product by sample protection state

**Economical**
- Less maintenance due to fully automatic and hygienic cleaning of the ice condenser
- Always ready to use due to infinite capacity
- Just one device needed for different users
- Low energy consumption due to small ice condenser volume

Complete your portfolio

Lyovapor™ L-200
The first Freeze Dryer with Infinite-Control™

Mini Spray Dryer B-290
World leading laboratory Spray Dryer

Rotavapor® R-300
Convenient and efficient rotary evaporation

Reveleris® PREP
A high-performance system with integrated flash and preparative HPLC in a single compact system

www.buchi.com/freeze-drying

Quality in your hands