

CRYOLYS®



Patented cooling option for thermo-sensitive molecules

- **Efficient cooling:** before, during and after processing
- **Protect thermo-sensitive molecules**
- **Adjustable cooling flow rate**
- **Powered by liquid nitrogen or dry ice**

CRYOLYS®

Cooling unit for sensitive samples preparation



Cryolys® is the only patented cooling unit that **prevents the increase of temperature during lysing**. It enhances the efficiency of molecular extraction, resulting in premium quality analysis, maintaining temperature around 4°C before and during homogenization.

It enables the extraction of stable RNA and native-state proteins.

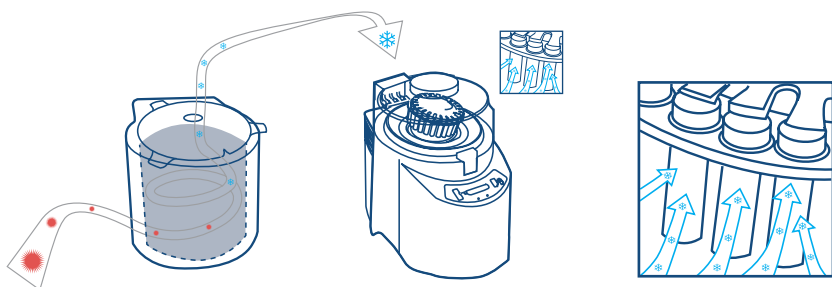
Cryolys® is compatible with Precellys® 24 and Precellys® Evolution homogenizers.

Cold air (-50°C) is sprayed around each tube so the temperature during homogenization remains at around 4°C.

A probe enables **real-time monitoring of the temperature** inside the lid, thus protecting sensitive molecules from degradation during sample preparation.

- Achieve higher yield, greater quality and increased functionality
- Protect from enzymatic activities
- Keep intact your native 3D-folded proteins

Cryolys® - Principle



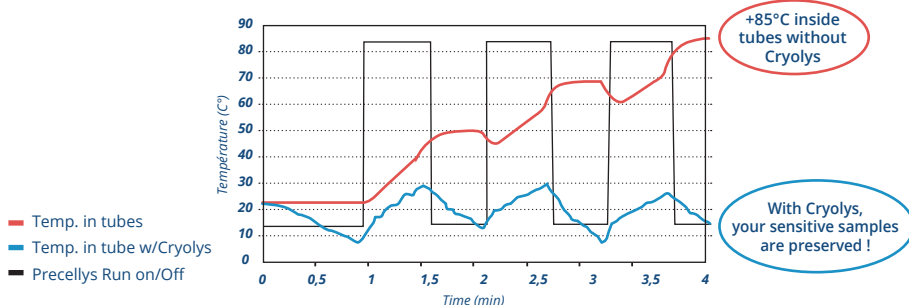
1. Compressed air passes through liquid nitrogen or dry-ice inside Cryolys

2. Cold compressed air is sprayed into the specially-adapted Precellys lid

3. Each sample is cooled and sensitive molecules are retained in their native state

► Temperature Profile with Cryolys Option

6800rpm, 3x30s, 30s breaks, Compressed Air Flow rate: 120L/min



Precellys homogenizers range

Discover the full range of products



Precellys® 24
for high throughput



MinilyS
for personal use



Precellys® Evolution
Super Homogenizer



Lysing
kits consumables



Technical specifications

AIR FLOW RATE SETTINGS:
80, 100 or 120 litre/min

SIZE:
L: 430mm, W: 300mm, H: 300mm

WEIGHT: 16 kg

NORMS: CE

ELECTRICITY:
100 - 230 VAC / 50-60 Hz
power: 2A

NOISE: < 70dB

PATENTED TECHNOLOGY

LAB REQUIREMENT
Compressed air (lab network or canister):

- Pressure: from 4 bars (5 PSI) to 8 bars (116 PSI)
- Flow rate: up to 120 l/min (7,2 m3/h)
- Consumption (run time): 1l of liquid nitrogen for 5 min
1kg of dry ice for 1.5h

CATALOG NUMBER
- for Precellys® Evolution
EQ05068-200-RD001.0
- for Precellys® 24
EQ05068-200-RD000.0