CRYOLYS® EVOLUTION

Cooling unit for sensitive sample preparation

- Efficient cooling: before, during and after processing
- No need for specific air pressure or power supply
- Accurate temperature monitored by Precellys® Evolution software
- Minimal bench space
CRYOLYS® EVOLUTION

Keep your thermo-sensitive molecules "in shape"!

Monitored low temperature ensures integrity for specifically targeted molecules like proteins and RNA, giving downstream applications better efficiency/sensitivity.

Cryolys® Evolution is the only patented integrated cooling unit preventing the increase of temperature during lysing. Based on dry ice sublimation, it enhances the efficiency of molecular extraction, resulting in premium quality analysis, maintaining the desired temperature between 0 and 10°C before and during homogenization.

Thanks to its ingenious design, the Cryolys® Evolution is now a real extension of the Precellys® Evolution homogenizer. Positioned on the unit’s lid, the system is powered and managed directly by the Precellys® Evolution software, offering a complete control of the temperature during samples grinding with a limited bench space.

- Achieve higher yield, greater quality and increased functionality
- Protect from enzymatic activities
- Ensure native protein conformation conservation

Cryolys® Evolution - Principle

1. The Cryolys® Evolution is connected directly to the top of the dedicated Precellys® lid.
2. Ambient air is aspirated and cooled in contact with dry ice.
3. Cold air is then sprayed into the Precellys lid to maintain the temperature and keep sensitive molecules in their original state.

### Technical specifications

- **Size:** L: 335mm, W: 335mm, H: 100mm
- **Weight:**
  - Full unit: 2,6 kg
  - Detachable cooling module: 1,3 kg
- **Capacity:** 1,5 kg of dry ice
- **Dry Ice Consumption:** 1,5 kg for 30 min (run time)
- **NORMS:** CE
- **Noise:** < 60 dB
- **Patented Technology
- **Requirement:** Unit plugged to a Precellys® Evolution minimal height over bench: 70cm
- **Minimal depth of the bench:** 70cm

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