

# Cryolys<sup>®</sup> Evolution



## Cooling unit for sensitive sample preparation

- Efficient cooling: before, during and after processing
- No need for compressed air and power supply
- Accurate temperature monitored by Precellys<sup>®</sup> Evolution software
- Minimal bench space



# CRYOLYS® EVOLUTION

## KEEP YOUR THERMO-SENSITIVE MOLECULES «IN SHAPE»!

Monitored low temperature ensures the integrity of specific molecules such as proteins and RNA, giving downstream analysis better efficiency and 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.

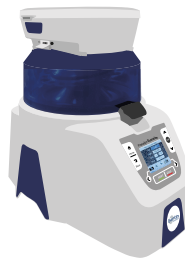
Thanks to its ingenious design, the Cryolys® Evolution is now a real extension of the Precellys® Evolution homogenizer. Positioned on the unit's lid, the system is powered and managed directly by the Precellys® Evolution software, offering a complete control of the temperature during samples grinding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

### Principle

1. The Cryolys® Evolution is connected directly to the top of the dedicated Precellys® lid.



2. Ambient air is aspirated in and cooled in contact with dry ice.



3. Cold air is then sprayed into the Precellys lid to maintain the thermosensitive molecules in their original state.



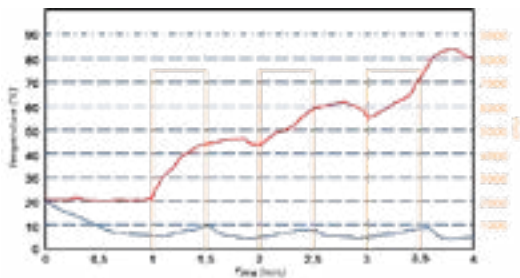
### Tubes temperature profile

7500rpm, 3x30s, 30s breaks

- Temp. in tubes
- Temp. in tube w/Cryolys
- Precellys Run on/off

+85°C inside tubes without Cryolys

With Cryolys Evolution, your sensitive samples are preserved!



### Precellys homogenizers range



Minilys



Precellys 24 Touch



Precellys Evolution

Lysing kits consumables

### Technical specifications

|                     |   |
|---------------------|---|
| Size                | 335x335x100 mm  |
| Weight              | Full unit: 2,6 kg<br>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   |
| Requirement         | Unit plugged to a Precellys® Evolution / Minimal height over bench: 70cm / Minimal depth of the bench: 70cm |
| Catalog number      | P000671-CLYS2-A   |

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