

Cryolys[®] 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[®] Evolution Touch 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 Touch homogenizer. Positioned on the unit's lid, the system is powered and managed directly by the Precellys® Evolution Touch 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.



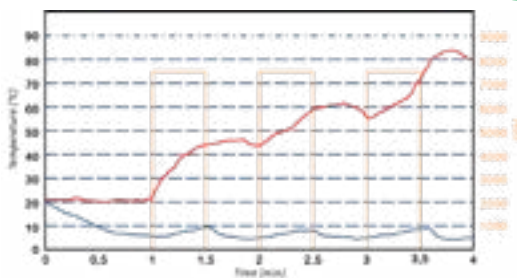
Tubes temperature profile

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 Touch



Lysing kits consumables

Technical specifications

Size	335x335x100mm
Weight	Full unit: 2,6kg Detachable cooling module: 1,3kg
Capacity	1,5kg of dry ice
Dry ice consumption	1,5kg for 30min (run time)
Norms	CE
Noise	< 60dB
Requirement	Unit plugged to a Precellys® Evolution Touch / Minimal height over bench: 70cm / Minimal depth of the bench: 70cm
Catalog number	P000671-CLYS2-A

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Discover our solutions