

Optimal Temperature Process



Premium Quality Grinding



Reliable Quick Results

The greatest breakthrough in temperature control during homogenization

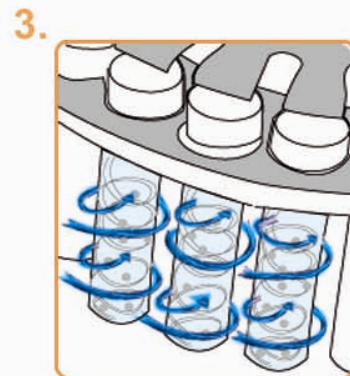
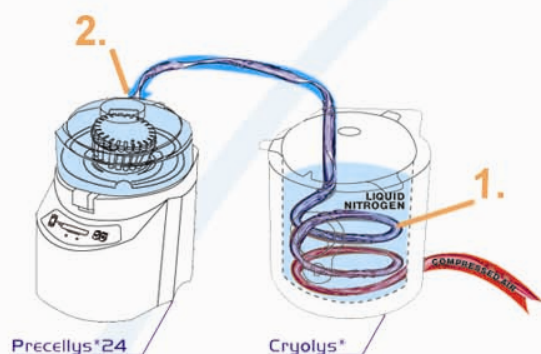


cryolys

As far as lysis constitutes the most critical step at the origin of many alterations and degradations of molecules of interest, you can now trust Cryolys, an advanced temperature controller to cool sample during Precellys homogenization.

Principle

Cryolys new technology offers a solution to overcome the heat limitation of regular grinding.



Efficient biological samples preservation

Keep Tissue at optimal temperature during homogenization

Now you can regulate temperature inside tubes and reveal molecules of interest. See below the temperature profile in tubes with Cryolys. Temperature remain the same after homogenization.

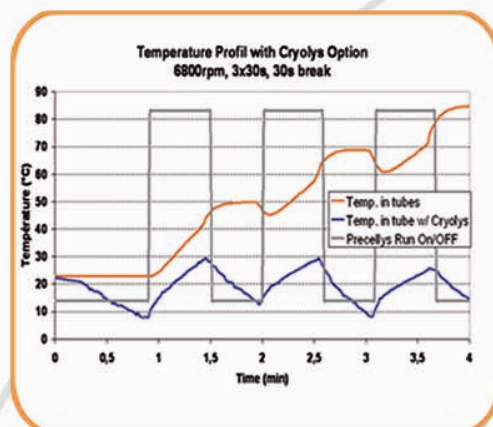
Protect temperature-sensitive molecules from degradation

Lysis is an important source of losses. Cryolys technology permits temperature-sensitive molecules to keep their native state for any analysis.

Prevent enzymes from becoming active

As grinding heats up the specimen, degrading enzymes are active and alter or even destroy the molecules of interest. Cryolys enables to inhibit enzymes activity for higher yield.

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Cryolys prevents increasing of temperature during lysis process and enhance efficiency of molecular extraction leading to premium quality analysis

Settings

Compressed Air flow rate: 80, 100 and 120 L/ min
1 Liter Liquid Nitrogen for 5 minutes of run

Connection requirements

Air inlet connection : 3/8 BSP female
or grooved nipple for 10 mm diameter hose
Air inlet characteristic: Dry air (H₂O < 5 ppm)

Technical specifications

CE Compliance

Dimensions: 430 x 300 x 300 mm

Weight: 13.6 kg

Power requirements: 110 - 220 V, 2A

www.precellys.com
precellys@bertin.fr
tel: +33(0)1 39 30 61 18
tel: +33(0)1 39 30 61 69

