



-  **Optimal Temperature Process**
-  **Premium Quality Grinding**
-  **Reliable & Quick Results**

**The new generation  
in temperature control during homogenization**

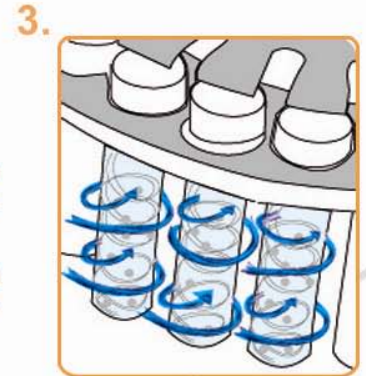
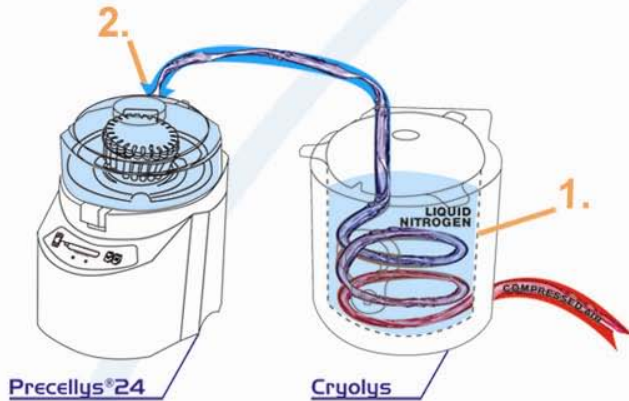


**cryolys**

As lysis is one of the most decisive step in sensitive sample preparation, you can now trust Cryolys, the advanced temperature controller for cooling samples during Precellys 24 homogenization.

## Principle

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



## Efficient biological sample preservation

### Keep tissue at optimal temperature during homogenization

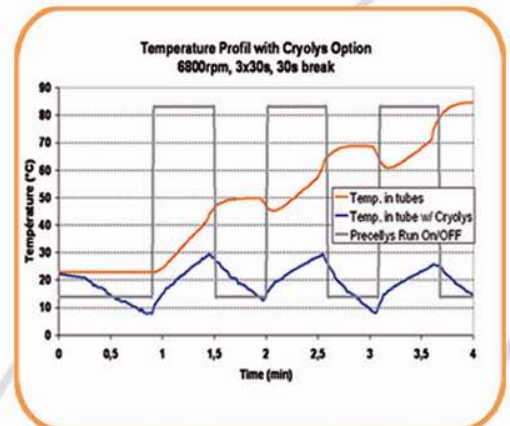
Now you can regulate temperature inside tubes and reveal molecules of interest. See below the temperature profile in Precellys 24 tubes with Cryolys. Temperature remain the same after homogenisation.

### Protect temperature-sensitive molecules from degradation

Lysis is a possible source of loss. 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 can alter and even destroy the molecules of interest.



Cryolys prevents increase 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 Litre Liquid Nitrogen for 5 minutes run time

## Connection requirements

Air inlet connection : 3/8 BSP female

or grooved nipple for 10 mm diameter hose

Air inlet requirement: Dry air ( H<sub>2</sub>O < 5 ppm)

## Technical specifications

CE - marked

Dimensions: 430 x 300 x 300 mm

Weight: 13.6 kg

Power requirement: 110 - 220 V, 2A

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