



# PRECELLYS® 24



## Efficient, robust and high throughput tissue homogenizer

- **Efficient:** powerful 3D motion
- **High quality:** robust, ergonomic and safe
- **Flexible:** from soft to hard tissues
- **Reproducible:** validated protocols available online



# PRECELLYS® 24

## Tissue homogenizer

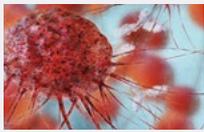
**Grind and homogenize a wide range of biological samples with Precellys® 24!** Designed for **L3 laboratories**, it is **highly robust for daily use**.

The system enables the preparation of **up to 24 biological samples** from soft to hard tissue (animal & human tissue, plant tissue, microorganisms...) and has been validated on more than 1000 different samples: from brain, muscle and heart samples to very hard matter such as bones, hair and rice.

**A figure-8 multi-directional motion** gives a high energy to the beads that grind up to 24 samples **in few seconds (~30 sec) at speed ranging from 4000 to 6800 rpm**.

Samples are then ready for analysis using DNA/RNA analysis, PCR, Electrophoresis, Liquid Chromatography, Western Blot.

## Applications



Cancer research



Agronomy



Forensic



Pharmacology

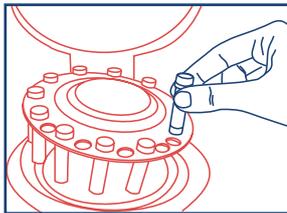


Environment

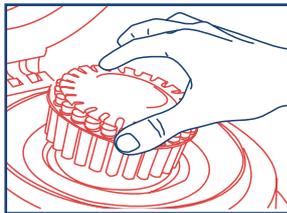


Microbiology

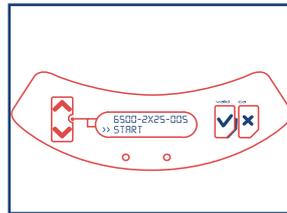
## Precellys® 24 - Quick User Mode



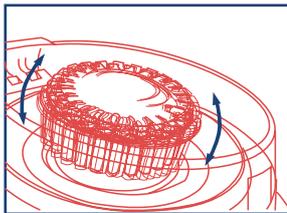
1. Load from one to twenty-four 2ml tubes



2. Position the patented system for quick and safe locking



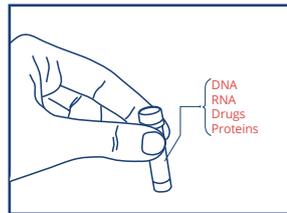
3. Set speed (4000 - 6800 rpm), time and cycle



4. 3D bead-beating: homogenization is achieved in few seconds



5. The same efficiency in each tube enables the liberation of cell components



6. In 30 seconds, your sample is ready for analysis!

 **Preserve your sensitive samples:** ensure the combined yield and integrity of thermo-sensitive molecules by using the Cryolys cooling unit!



## Technical specifications

**CAPACITY**  
from 1 to 24 tubes of 2mL/0.5mL

**SPEED RANGE**  
4 000 rpm to 6 800 rpm  
(by increment of 100)

**PROGRAMS:**  
5 recordable programs

**NUMBER OF CYCLES:** up to 3

**TIME OF CYCLE:** up to 90s

**PAUSE BETWEEN CYCLE:**  
up to 120s

**SIZE:**  
L: 290mm, W: 375mm, H: 370mm  
(600mm with opened lid)

**WEIGHT:** 29.8 kg

**NORMS:** CE, FCC part 15

**ELECTRICITY:**  
90 - 250VAC / 50-60 Hz  
power:1 kVA

**NOISE** < 70dB

**CATALOG NUMBER**  
EQ03119-200-RD000.0

## Precellys homogenizers range

Discover the full range of products



**Precellys® Evolution**  
Super Homogenizer



**Minilys**  
for personal use



**Cryolys**  
for sensitive molecules



**Lysing**  
kits consumables