

# PRECELLYS® EVOLUTION



## The most efficient & flexible homogenizer

- **Super efficient:** DNA, RNA & proteins from any biological sample
- **Super strong:** powerful 3D motion, up to 10 000rpm
- **Super flexible:** 6 different volumes of tubes
- **Super easy:** automatic tube locking system



# PRECELLYS® EVOLUTION

## Super Homogenizer

The Precellys® Evolution offers optimal **robustness, safety, efficiency and flexibility**. It is the perfect solution to disrupt samples and get access to DNA, RNA, proteins or small molecules.

Especially designed for **L3 laboratories**, the Precellys® Evolution is based on **10 years of sample preparation expertise**. The instrument's unique figure-8 multi-directional motion provides the same high level of energy and homogenization efficiency to each tube.

The Precellys® Evolution has the capability to process **6 different sizes of tubes, up to 24 tubes** simultaneously. Its flexibility and high efficiency gives users the ability to **grind, homogenize or lyse** any type of soft or hard sample from animal, human, plant or microorganism, in about 30 seconds. Samples are then ready for DNA/RNA analysis, PCR, Electrophoresis, Liquid Chromatography, Western Blot...

## Applications



Cancer research



Agronomy



Forensic



Pharmacology

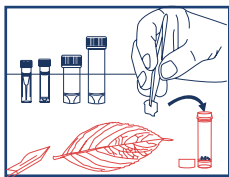


Environment

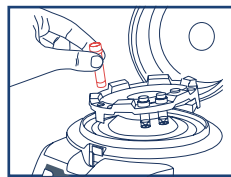


Microbiology

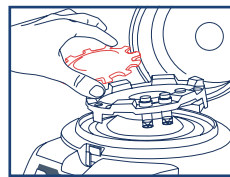
## Precellys® Evolution - Quick User Mode



1. Choose the right Precellys® Lysing kit (prefilled tubes with beads)



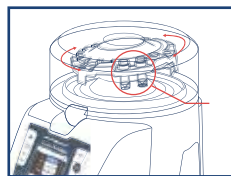
2. Choose the appropriate tube holder and load from 1 to 24 samples



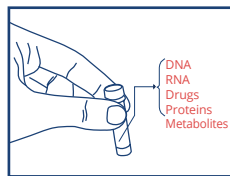
3. Tubes are automatically blocked by the patented tube locking system



4. Select «Use» in the main menu and set up the parameters



5. 3D bead-beating movement gives the same efficiency for each tube



6. In ~30 seconds, your samples are ready for analysis!

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

## Precellys homogenizers range

Discover the full range of products



**Precellys® 24**  
for high throughput



**Minily**  
for personal use



**Cryolys® Evolution**  
for sensitive molecules  
(compatible with Precellys® Evolution)



**Lysing kits consumables**



## Technical specifications

### CAPACITY

from 1 to 24 tubes of 2mL/0.5mL  
from 1 to 12 tubes of 7mL  
from 1 to 6 tubes of 15mL  
from 8 to 96 wells of 300µL  
from 1 to 6 metal tubes

### SPEED RANGE

4 500 rpm to 10 000 rpm  
(by increment of 100)

### PROGRAMS: Unlimited

NUMBER OF CYCLES: up to 10

TIME OF CYCLE: up to 90s

PAUSE BETWEEN CYCLES: 120s

### SIZE

L: 378mm, W: 515mm, H: 400mm  
(632mm with opened lid)

WEIGHT: 27,2 kg

NORMS: CE, FCC part 15

### ELECTRICITY

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

NOISE < 70dB

### CATALOG NUMBER

P000062-PEVO0-A