

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



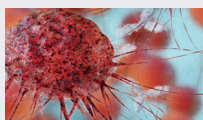
PRECELLYS® EVOLUTION

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

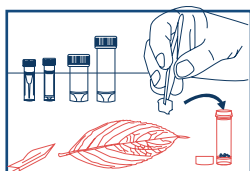


Environment

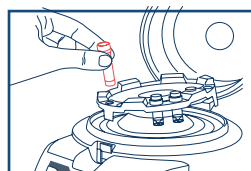


Microbiology

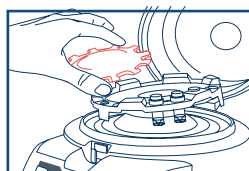
Precellys® Evolution - Quick User Mode



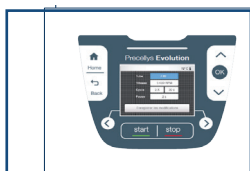
1. Choose the right Precellys® Lysing kit (pre-filled tubes with beads)



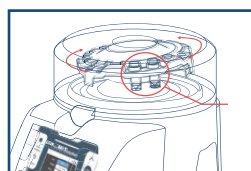
2. Choose the appropriate tube holder and load from 1 to 24 samples



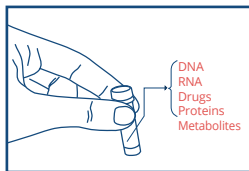
3. Tubes are automatically blocked by the patented tube locking system



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!



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
P00062-PEVO0-A

Bertin Instruments - May 2018 - Copyrights: Bertin / IStock

Precellys homogenizers range

Discover the full range of products



Precellys® 24
for high throughput



Minilys
for personal use



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



Lysing kits consumables

Bertin Technologies S.A.S • Parc d'Activités du Pas du Lac •
10 bis, avenue Ampère, 78180 Montigny Le Bretonneux • FRANCE
WWW.BERTIN-INSTRUMENTS.COM
RCS: 422 511 204 VERSAILLES | SIREN: 422 511 204

Distributed by: