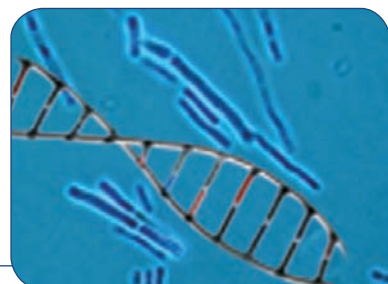


# APPLICATIONS



## R&D Biotechnology

Molecular biology and proteomic  
Genotype determination



## Pharmacology and Toxicology

Toxic analysis, Metabolism studies



## Forensic Medicine

DNA/RNA tests, Drugs and toxics detection



## Food & Environment

GMO detection, Hygiene controls



## Materials research

### DISTRIBUTOR

### VISIT OUR PROTOCOLS DATABASE

Take a look to scientific publications  
and other application forms  
on our website :  
[www.precellys.com](http://www.precellys.com)

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[www.precellys.com](http://www.precellys.com)

NEW GENERATION Tissue homogenizer

**SAMPLE PREPARATION & CELL LYSIS**

**bertin**  
TECHNOLOGIES





# NEW GENERATION TISSUE HOMOGENIZER

## Sample Prep and Cell Lysis

Precellys is your solution for sample preparation and cell lysis

The reliable, fast and high-throughput homogenizer to extract DNA, RNA or proteins from animal, human and plant tissues, micro-organisms, spores, bones, etc.



Precellys®24

**FAST** - Homogenize up to 24 samples in few seconds

**EFFICIENT** - Retain integrity of any biological molecule DNA, RNA, protein, drug, etc.

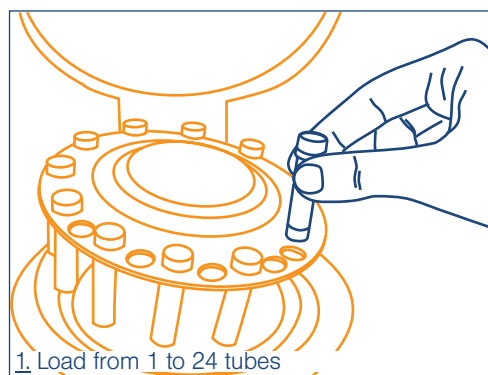
**FLEXIBLE** - Adapt protocols and consumables from soft to hard tissues (micro-organisms, animal or vegetal tissues)

**CROSS CONTAMINATION FREE** - 2mL single-use tubes

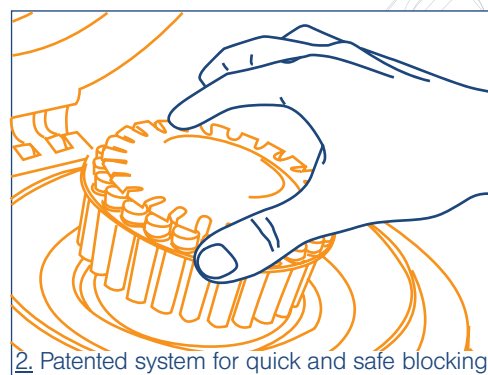
**REPRODUCIBLE** - Standard protocols

**HIGH-QUALITY** - Robust, ergonomic and programmable

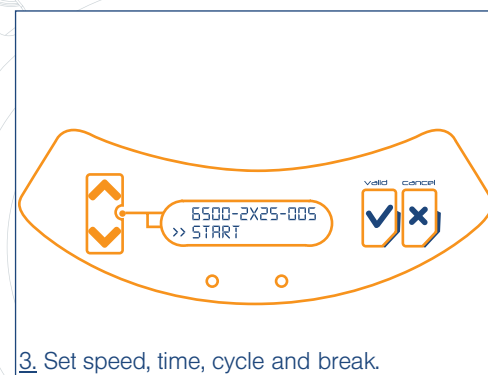
### PRECELLYS®24 : Bead beating homogenizer



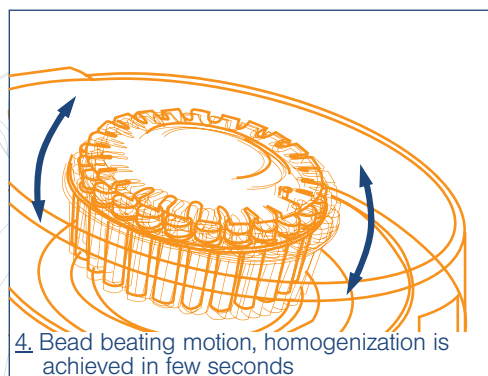
1. Load from 1 to 24 tubes



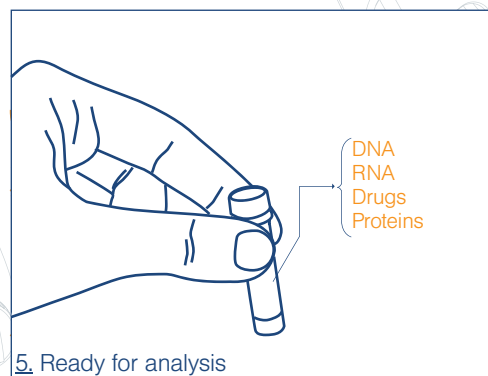
2. Patented system for quick and safe blocking



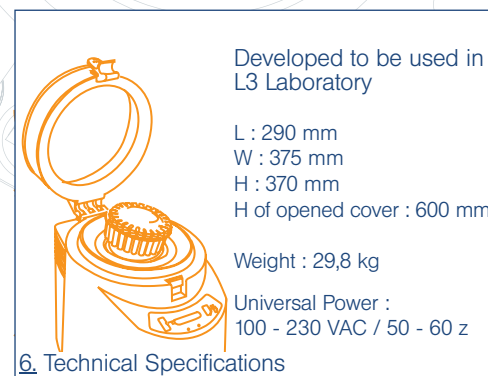
3. Set speed, time, cycle and break.



4. Bead beating motion, homogenization is achieved in few seconds



5. Ready for analysis



6. Technical Specifications

Developed to be used in L3 Laboratory

L : 290 mm  
W : 375 mm  
H : 370 mm  
H of opened cover : 600 mm

Weight : 29,8 kg

Universal Power :  
100 - 230 VAC / 50 - 60 z

Grind and homogenize a large range of biological samples, compatible with any analysis DNA-RNA Electrophoresis, Liquid Chromatography, Western Blot etc.

### ANIMAL & HUMAN TISSUES

Chromatograms of liquid / liquid extraction from animal tissues.

Example :



### CK14 Small Ceramic Beads

Performs perfect homogenization of any soft animal, human and plant tissues : Brain, liver, leaf, etc.



### CK28 Big Ceramic Beads

Offers more strength for the homogenization of harder animal, human and plant tissues : Heart, nails, nuts, etc.



### PLANT TISSUES

DNA isolation from plant tissues.

Example :



### MK28 Big Metal Beads

Gives the ultimate strength to grind challenging samples of animal, human and plant tissues : Hair, bones, corn, etc.



### MICRO-ORGANISMS

Western Blot from proteins in micro-organisms.

Example :



### VK01 & VK05 Small Glass

Special design for micro-organism lysis. Smooth impacts break the membrane of cells, bacteria, spores, etc.

