

# Precellys Sample Prep Solutions



- Efficient & flexible Precellys tissue homogenizers
- Prepare samples in full safety and without cross contamination
- For both routine applications and R&D projects

Sample preparation is critical to master molecules extraction from biological samples. Bertin Instruments offers a full range of efficient & flexible tissue homogenizers, accessories and kits suitable to grind any type of samples.



## MINILYS®

### FLEXIBLE HOMOGENIZER FOR RAPID SAMPLE DISRUPTION

Flexible, efficient and easy-to-use tissue homogenizer

- Compact homogenizer with 3D bead-beating
- Flexible & ready-to-use: wide range of samples and parameters;
- Get access to DNA/RNA, proteins & small molecules;
- Minimal bench space.

## PRECELlys® 24 TOUCH

### INTUITIVE TISSUE HOMOGENIZER

Efficient and intuitive tissue homogenizer to prepare any kind of biological sample

- Easy to use: touchscreen and exclusive tube locking system;
- Efficient: powerful 3D motion, up to 6,800 rpm;
- Reproducible: validated protocols available online;
- High quality: robust, ergonomic & safe.



## PRECELlys® - LYSING KITS

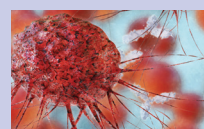
### A COMPREHENSIVE RANGE OF KITS FOR SAMPLE PREPARATION

Fail-Safe versatility

- More than 30 lysing kits: wide range of bead mix for optimal results;
- DNA, RNA & protein extraction from any biological sample DNA/RNA, proteins & small molecules;
- 5 volumes of tubes available.



## Applications



Cancer research



Agronomy



Forensic



Pharmacology



Environment



Microbiology



## CRYOLYS® EVOLUTION

### KEEP YOUR THERMO-SENSITIVE MOLECULES "IN SHAPE"!

Dedicated cooling option for sensitive sample preparation.

- Efficient cooling: before, during and after processing;
- No need for compressed air and power supply;
- Accurate temperature monitored by Precellys® Evolution software;
- Minimal bench space.



## PRECELlys® EVOLUTION TOUCH

### THE POWER OF HOMOGENIZATION

Efficient and versatile tissue homogenizer for all sample preparation needs

- Safe & Easy to use: exclusive touchscreen and tube locking system
- Flexible: compatible with 6 tubes format from 300µL to 50mL
- Powerful: up to 10 000rpm with 3D motion technology
- Efficient: get DNA/RNA/Proteins from any biological sample



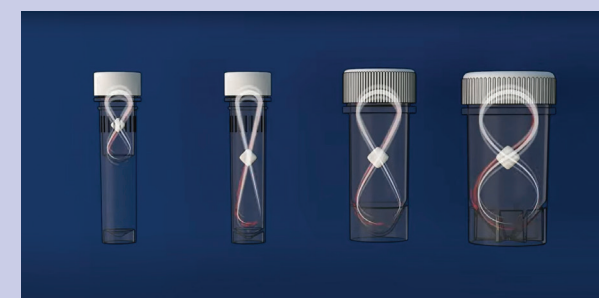
## PRECELlys® NUCLEIC ACID EXTRACTION KITS

### OPTIMIZED SOLUTION TO PURIFY DNA AND RNA FROM YOUR TISSUE SAMPLES

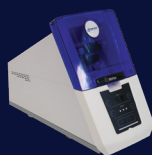
Versatile and easy-to-use extraction kits

- Premium quality: high yields of purified DNA & RNA;
- Optimized Precellys® workflow from tissue to nucleic acid;
- Easy to use: spin column technology;
- Versatile: single kits for multiple tissue types.

## THE 3D BEAD-BEATING TECHNOLOGY



The bead-beating technology, which equips Precellys homogenizers, is an effective mechanical lysis method that can be used to disrupt any kind of biological sample by rapidly agitating samples with a lysing matrix, most of the time consisting of beads, in an instrument called a bead-beater. Within the bead-beater, a 3D movement is generated which allows the beads to be agitated randomly. With over 30 lysing kits and 5 tube sizes, we offer an optimized sample prep solution for every kind of sample.



**MINILYS®**



**PRECELLYS®  
24 TOUCH**



**PRECELLYS®  
EVOLUTION TOUCH**

<b>0.5 or 2mL tube</b>	1 to 3	1 to 24	1 to 24*
<b>7mL tube</b>	1	No	1 to 12*
<b>15mL tube</b>	No	No	1 to 6*
<b>50mL tube</b>	No	No	1 to 3*
<b>96WP</b>	No	No	1 to 12 stripes*
<b>2mL metal tube</b>	No	1 to 8	1 to 12
<b>7mL metal tube</b>	No	No	1 to 6*
<b>Cryolys®</b>	No	No	Yes with Cryolys Evolution
<b>Speed</b>	3 fixed speeds : 3000rpm 4000rpm 5000rpm	From 4500rpm to 6800rpm by 100rpm increment	From 4500rpm to 10 000rpm by 100rpm increment

\*with the dedicated holder



Discover our solutions

## Bertin health & life sciences and Bertin Bioreagent: Comprehensive Life Sciences Solutions



AIR  
SAMPLING

SAMPLE  
PREPARATION

ASSAY  
KITS

TECHNOLOGY  
ON-DEMAND

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