



**SAMPLE PREP SOLUTIONS**  
**PRECELLYS HOMOGENIZERS RANGE,**  
**KITS & ACCESSORIES**

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 for grinding any samples prior to analysis.



**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;
- Minimum 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



## PRECELLYS® EVOLUTION THE SUPER HOMOGENIZER

EFFICIENT AND VERSATILE TISSUE HOMOGENIZER FOR ALL SAMPLE PREPARATION NEEDS

- 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.

## 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® 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, offers sample grinding and homogenization to extract molecules of interest (DNA, RNA and protein). 3D movement is generated by a so-called "precession" mechanical movement which allows the beads to be agitated randomly. For each size of sample, a specific size of tubes. But the height remains the same to maintain the reversing movement of the bead. For each type of sample, a specific type, size and combination of beads.





	MINILYS®	PRECELLYS® 24 TOUCH	PRECELLYS® EVOLUTION
<b>0,5 or 2 mL 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>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

## BERTIN INSTRUMENTS & BERTIN BIOREAGENT: COMPREHENSIVE LIFE SCIENCES SOLUTIONS



**AIR  
SAMPLING**

**SAMPLE  
PREPARATION**

**ASSAY  
KITS**

**CELL IMAGING  
SYSTEM**

**TECHNOLOGY  
ON-DEMAND**



**HEAD OFFICE**  
Bertin Technologies SAS  
Parc d'activités du Pas du Lac  
10 bis, avenue Ampère  
78 180 Montigny-le-Bretonneux  
FRANCE

**US OFFICE**  
Bertin Corp  
2096 Gaither Rd, Suite # 230 Rockville,  
MD 20850 - USA

**ORDER**  
+33 (0)1 39 30 60 36  
order-life@bertin.fr  
order@bertin-corp.com (US)

**TECHNICAL SUPPORT & MAINTENANCE**  
maintenance-life@bertin.fr  
sample-prep@bertin-instruments.com