



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



TISSUE DISSOCIATION KIT SEPARATING CELLS FROM TISSUE

The reliable kit for obtaining single viable cells

- Bead-shearing dissociation: Patented mechanical dissociation using beads, combined with enzymatic dissociation thanks to our in-house mix.
- High viability rate: Over 80% viable cells, crucial for live cell research, ensures reliable results.
- Versatility: Suitable for various tissues, compatible with multiple methods, flexible and efficient.

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**

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

*with the dedicated holder



Discover our solutions

Bertin Life Sciences and Bertin Bioreagent: Comprehensive Life Sciences Solutions



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