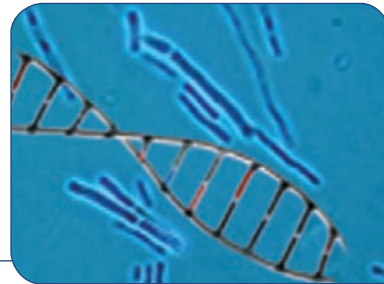
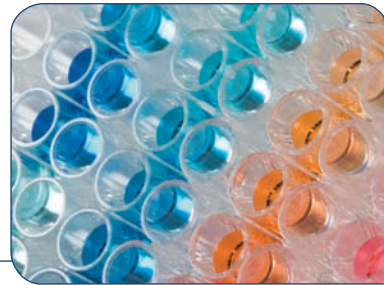


APPLICATIONS



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

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www.precellys.com

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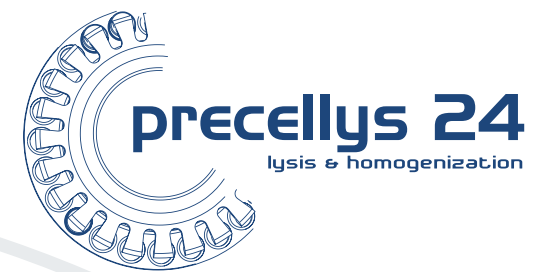


www.precellys.com

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

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.



PLANT TISSUES

DNA isolation from plant tissues.

Example :



CK28 Big Ceramic Beads

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



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. (Control panel shows: 6500-2x25-005, >> START, valid, cancel, checkmarks)
4. Bead beating motion, homogenization is achieved in few seconds
5. Ready for analysis (DNA, RNA, Drugs, Proteins)
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

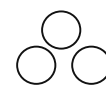
Find your
protocol
inside!



The lab technician's best friend



More than 15 references to fit your samples!



DESCRIPTION	0.5mL	2mL	2mL-R*	7mL	Beads
Hard tissue grinding MK28		03961-1-001	03961-1-008		03961-1-101
Hard tissue homogenizing CK28		03961-1-002	03961-1-007	03961-1-302	03961-1-102
Soft tissue homogenizing CK14	03961-1-203	03961-1-003			03961-1-103
Tough micro-organism lysing VK05	03961-1-204	03961-1-004			03961-1-104
Micro-organism lysing VK01		03961-1-005			03961-1-105
Soil grinding SK38		03961-1-006		03961-1-303	
Tissue homogenizing CKMix		03961-1-009			
Bacteria lysing CK01		03961-1-010		03961-1-305	03961-1-108
Micro-organism lysing VK01/VK05				03961-1-304	
Empty tubes and caps				03961-1-402	
Zirconium oxyde beads CK50					03961-1-106
Zirconium oxyde beads CK68					03961-1-107

* Reinforced tubes



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Choose the right Precellys Lysing kit for your samples!



	LYSE				HOMOGENIZE			GRIND			
	VK01	CK01	VK05	SK38	CK14	CK28	CKMix	MK28R	CK28R	CK50	CK68
Microbial & algae	Algae		✓	✓	✓	✓	✓	✓	✓	✓	
	Bacteria (Gram +/-)	✓	✓	✓	✓						
	Cyanobacteria	✓	✓	✓	✓						
	Fungi			✓	✓						
	Molds			✓	✓						
	Phytoplankton			✓	✓						
	Spores	✓	✓	✓	✓						
	Viruses	✓	✓	✓	✓						
	Yeasts			✓	✓						
Animal & Human - Fish & insect	Adipose tissue				✓	✓	✓		✓		
	Artery				✓	✓	✓		✓		
	Bone					✓		✓	✓	✓	✓
	Brain				✓	✓	✓		✓		
	Cartilage				✓			✓	✓	✓	
	Colon				✓	✓	✓		✓		
	Cornea				✓	✓	✓	✓	✓	✓	
	Ear				✓	✓	✓		✓		
	Feces			✓	✓	✓	✓		✓		
	Fixed Samples				✓	✓	✓		✓		
	Hair					✓		✓	✓	✓	✓
	Heart				✓	✓	✓		✓		
	Insects			✓	✓	✓	✓	✓	✓		
	Kidney				✓	✓	✓		✓		
	Larvae				✓	✓	✓		✓		
	Liver				✓	✓	✓		✓		
	Lung				✓	✓	✓		✓		
	Mammalian Cells				✓	✓	✓		✓		
	Muscle				✓	✓	✓		✓		
	Skin			✓	✓	✓	✓	✓	✓		
Spleen				✓	✓	✓		✓			
Tail				✓	✓	✓	✓	✓			
Tumors				✓	✓	✓	✓	✓	✓		
Worm			✓	✓	✓	✓		✓			
Plant & Soil	Chloroplasts	✓	✓	✓	✓						
	Coton						✓	✓	✓	✓	✓
	Leaves				✓	✓	✓	✓	✓	✓	
	Mosses					✓		✓	✓	✓	
	Pine needles					✓		✓	✓	✓	✓
	Plants cells				✓		✓		✓	✓	✓
	Roots	✓	✓	✓	✓		✓		✓	✓	
	Sediments	✓	✓	✓	✓		✓		✓	✓	
	Seeds				✓		✓	✓	✓	✓	✓
	Soils				✓		✓		✓	✓	
	Stems					✓	✓		✓	✓	✓
	Wood					✓		✓	✓	✓	✓



MicroTubes
 - 0.5mL
 - 2mL
 - 2mL-R
 - 7mL

Prefilled with
 high quality
 beads (per 50
 preps)

- Ceramic
 - Glass
 - Steel
 (stainless)

Beads in bulk
 (40g to 500g)

Diameter
 from 0.1mm
 to 6.8mm

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