



## Precellys<sup>®</sup> Lysing Kits

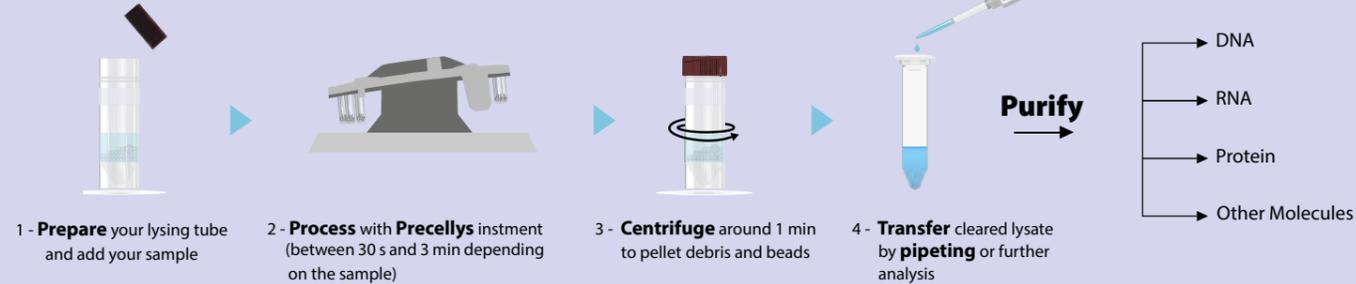
- More than 30 Lysing kits:  
wide range of bead mix for optimal results
- DNA, RNA, & protein extraction  
from any biological sample
- 6 volumes of tubes available
- Certified DNase/RNase free

# PRECELLYS® LYSING KIT

## A comprehensive range of beads & tubes for sample preparation

- Optimize your preparation of biological samples: animal tissues, human tissues, plant tissues or micro-organisms thanks to 6 different volumes (0.2 mL (96WP), 0.5 mL, 2 mL, 7 mL, 15 mL, 50 mL) and 4 different material of beads (Ceramic, Glass, Stainless Steel or Garnet).
- Manufactured in a clean-room environment, Precellys Lysing Kits are robust tubes prefilled with high quality beads and compatible with any Precellys homogenizer.
- The DNase/RNase free specifications guarantee the best quality and yield of extraction.
- The protein safe lysing kits contain specific inhibitors to prevent protein degradation during the homogenization process.

### Precellys Workflow



## Fully adapted to any type of sample

### 6 volumes of tubes and accessories



0.2 mL (96WP) accessories  
From 8 to 96 wells of 0.3 mL  
Prefilled 0.2 mL (96WP) available



2 mL accessories  
Up to 24 tubes of 2 mL (or 0.5 mL)



7 mL accessories  
Up to 12 tubes of 7 mL



15 mL accessories  
Up to 6 tubes of 15 mL



50 mL accessories  
Up to 3 tubes of 50 mL



Metal tubes  
Up to 6 tubes (6 mL accessories)  
Used for very hard samples

## Compatibility:

TUBES DEVICES	0.2 mL (96WP)	0.5 mL	2 mL	7 mL	15 mL	50 mL
Minilys		×	×	×		
Precellys 24 Touch		×	× <sup>M</sup>			
Precellys Evolution Touch	×	×	× <sup>M</sup>	× <sup>M</sup>	×	×

<sup>M</sup> Metal tubes available

## Precellys® Lysing Kits list

NAME	APPLICATION	BEAD TYPE	AVAILABLE TUBE VOLUME						
			0.2 mL (96WP)	0.5 mL	2 mL	2 mL R*	7 mL	15 mL	50 mL
VK01	Micro-organism lysing	0.1 mm glass beads			×				×
VK05	Tough micro-organism lysing	0.5 mm glass beads	×	×	×				×
VKMix	Micro-organism lysing	0.1 mm & 0.5 mm glass beads						×	
SK38	Micro-organism lysing within tissue	0.1 mm glass beads 1.4 mm ceramic beads 1 glass bead of 4.0 mm			×			×	
CK01	Bacteria lysing	0.1 mm ceramic beads			×			×	×
CKMix	Tissue homogenizing	1.4 mm & 2.8 mm ceramic beads			×				
CK14	Soft tissue homogenizing	1.4 mm ceramic beads	×	×	× <sup>✓</sup>			×	
CK28	Hard tissue homogenizing	2.8 ceramic beads			×	× <sup>✓</sup>		×	×
CKMix50	Tissue grinding	2.8 mm & 5.0 mm ceramic beads					×	×	×
CK68	Dry hard tissue grinding	6.8 mm ceramic beads					×		×
MK28	Hard tissue grinding	2.8 mm stainless steel beads			×	×			
Metal tubes	Bones & teeth grinding	empty tubes to fill with 6.8 mm ceramic beads			×			×	

<sup>✓</sup> Protein safe tubes available \*Reinforced tubes

## Precellys® homogenizers

Discover the full range of products



Minilys  
for personal use



Precellys 24 Touch  
Intuitive Tissue Homogenizer



Precellys Evolution Touch



Precellys Evolution Touch +  
Cryolys Evolution

## Technical features

QUANTITY OF TUBES PER KIT:  
- 0.2 mL (96WP) - 1 breakable plate  
- 0.5/2/7 mL - 50 tubes  
- 15 mL kit - 25 tubes

QUALITY GRADE:  
DNase/RNase free

TUBES AND CAPS MATERIALS:  
Polypropylen Co-Polymer

AUTOCLAVABLE:  
Standard procedure

CHEMICAL COMPATIBILITY:  
Compatible with most extraction buffers  
(Acid Phenol, Guanidine thocyanate, Acetonitril, Trizol, etc.)

LOADING CAPACITY 0.3 ML (well-plate):  
From 0.6 mg to 12 mg or 3 µL to 120 µL

LOADING CAPACITY 0.5 ML:  
From 1 mg to 20 mg or 5 µL to 200 µL

LOADING CAPACITY 2 ML:  
From 20 mg to 200 mg or 200 µL to 1.6 ml

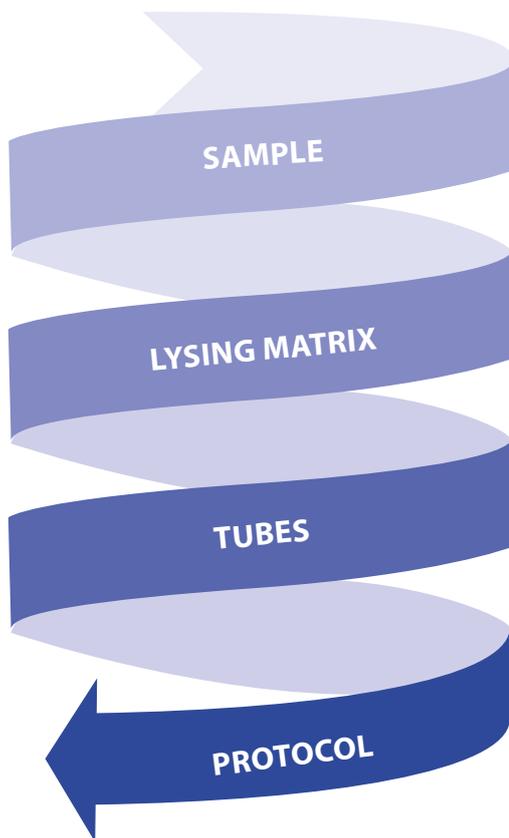
LOADING CAPACITY 7 ML:  
From 200 mg to 2 g or 200 µL to 6 mL

LOADING CAPACITY 15 ML:  
From 400 mg to 4 g or 400 µL to 9 mL

LOADING CAPACITY 50 ML:  
From 4 g to 35 g or up to 40 mL

LOADING CAPACITY METAL TUBES:  
From 20 mg to 200 mg dry grinding

## OPTIMIZE YOUR HOMOGENIZATION PROCESS



1  Compatible with any type of biological sample

2  Select the proper lysing matrix (bead type and size)

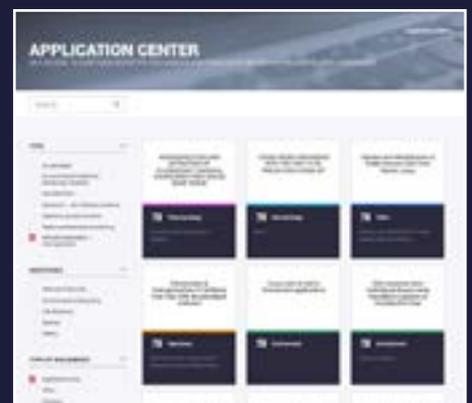
3  Choose the right size of tube adapted to your sample size

4  Find your protocol in the Application Center

### Use the Bertin Life Sciences Application Center to find the appropriate protocol

- Find thousands of documents presenting validated protocols
- Find the appropriate kits
- Share with the Precellys® community

<https://www.bertin-technologies.com/application-center/>



Discover our solutions