

# Precellys® Lysing Kits



## A comprehensive range of kits for sample preparation

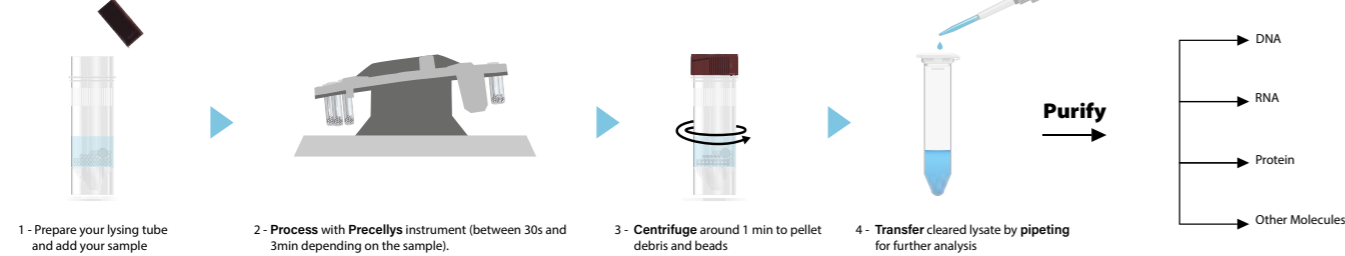
- More than 30 Lysing kits: wide range of bead mix for optimal results
- DNA, RNA, & protein extraction from any biological sample
- 5 volumes of tubes available
- Certified DNase/RNase free

# PRECELLYS® LYSING KIT

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

- Optimize your preparation of biological samples: animal tissue, human tissue, plant tissue or micro-organisms thanks to 5 different volumes (0.5, 2, 7, 15, 96 well-plate) 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 tubes contain specific inhibitors to prevent protein degradation during the homogenization process.

## Precellys Workflow



## Fully adapted to any type of sample

### 5 volumes of tubes and accessories



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



7mL accessories  
Up to 12 tubes of 7mL



15mL accessories  
Up to 6 tubes of 15mL



96 well-plate accessories  
From 8 to 96 wells of 0.3mL  
Prefilled 96 well-plates available



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

## Compatibility:

TUBES	96 (well-plate)	0.5mL	2mL	7mL	15mL	Metal tubes
Minilyl®		×	×	×		
Precellys® 24 Touch		×	×			
Precellys® Evolution	×	×	×	×	×	×

## Precellys® Lysing Kits list

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

✓ Protein safe tubes available    Reinforced tubes

## Precellys homogenizers

Discover the full range of products



Minilyl®  
for personal use



Precellys® 24 Touch  
Intuitive Tissue Homogenizer



Precellys® Evolution  
Super Homogenizer



Precellys® Evolution +  
Cryolys® Evolution combo

## Technical features

QUANTITY OF TUBES PER KIT:  
- 96 well-plate - 0.2mL - 1 breakable plate  
- 0.5 / 2 / 7mL - 50 tubes  
- 15mL 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 0.3ML (well-plate):  
From 0.6mg to 12mg or 3µL to 120µL

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

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

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

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

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

# OPTIMIZE YOUR HOMOGENIZATION PROCESS

**1**

Compatible with any type of biological sample

**2**

Select the proper lysing matrix (bead's type and size)

**3**

Choose the right size of tube adapted to your sample size

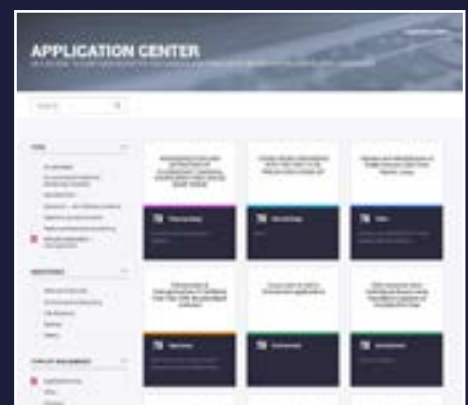
**4**

Find your protocol in the Application Center

## Use the Bertin Instruments Application Center to find the appropriate

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

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



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