



# Precellys<sup>®</sup> Lysing Kits



A comprehensive range  
for sample preparation needs

- **More than 30 Lysing kits:**  
wide range of beads mix for optimal results
- **6 volumes** of tubes available
- **Certified DNase/RNase free**

# PRECELLYS® LYSING KIT



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

Precellys® Lysing Kits are robust tubes prefilled with high quality beads and manufactured under clean-room environment.

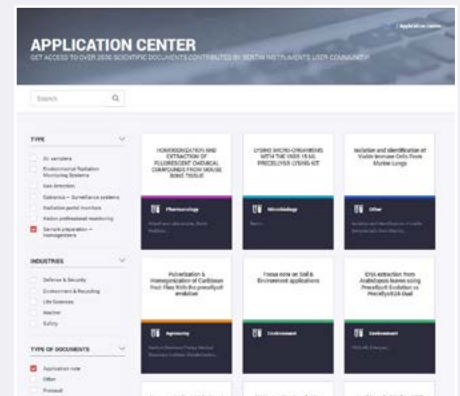
**Optimize your preparation of biological samples:** animal tissue, human tissue, plant tissue, microorganisms thanks to 6 different volumes (0.5, 2, 7, 15, 96 well-plate and metal tubes) and 4 different material of beads (Ceramic, Glass, Stainless Steel or Garnet).

The **DNase/RNase free specifications** guarantee the best quality and yield of extraction.

## Use the Precellys® Application Center to find the appropriate protocol

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

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



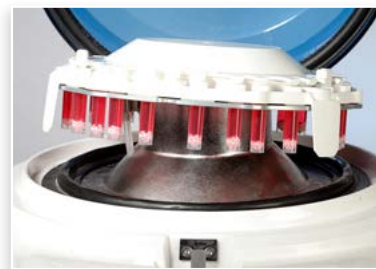
## Fully adapted to any type of samples: 5 volumes of tubes and accessories



### 96 well-plate accessories

From 8 to 96 wells of 0.3mL

Prefilled 96 well-plate available



### 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

# Precellys® Lysing Kit list

NAME	APPLICATION	BEADS TYPE	AVAILABLE VOLUME OF TUBE					
			0.3mL (well-plate)	0.5mL	2mL	2mL R	7mL	15mL
<b>MK28</b>	Hard tissue grinding	2.8mm stainless steel beads			X	X		
<b>CK28</b>	Hard tissue homogenizing	2.8mm ceramic beads			X	X	X	X
<b>CK14</b>	Soft tissue homogenizing	1.4mm ceramic beads		X	X		X	
<b>VK05</b>	Tough micro-organism lysing	0.5mm glass beads		X	X			X
<b>VK01</b>	Micro-organism lysing	0.1mm glass beads			X			
<b>CK01</b>	Bacteria lysing	0.1mm ceramic beads			X		X	X
<b>VKMix</b>	Micro-organism lysing	0.1mm & 0.5mm glass beads					X	
<b>SK38</b>	Micro-organism lysing inside tissue	0.1mm glass beads 1.4mm ceramic beads 1 glass bead of 4.0mm			X		X	
<b>CKMix</b>	Tissue homogenizing	1.4mm & 2.8mm ceramic beads	X		X			
<b>CKMix50</b>	Tissue grinding	2.8mm & 5.0mm ceramic beads				X	X	X
<b>CK68</b>	Dry hard tissue grinding	6.8mm ceramic beads				X		X
<b>GK60</b>	Sample grinding	0.7mm gamet flakes 1 ceramic bead of 6.0mm				X		
<b>Metal tubes</b>	Bones & teeth grinding	empty tubes to fill with 6.8mm ceramic beads					X	

## Precellys homogenizers range

Discover the full range of products



**MinilyS®**  
for personal use



**CryolyS®**  
for sensitive molecules



**Precellys® Evolution**  
Super Homogenizer



**Precellys® 24**  
for high throughput



## Technical features

**QUANTITY OF TUBES PER KIT:**  
50 tubes  
(15mL kit contains: 25 tubes)

**QUALITY GRADE:**  
DNase/RNase free

**TUBES AND CAPS MATERIALS:**  
Polypropylen Co-Polymer

**AUTOCLAVABLE:**  
Standard procedure

**CHEMICAL COMPATIBILITY:**  
Compatible with most of extraction buffer (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

# Choose the appropriate Precellys® Lysing kit

	LYSE				HOMOGENIZE			GRIND				
	VK01	CK01	VK05	SK38	CK14	CK28	CKMix	MK28R	CK28R	CKMix50	CK68	GK60
MICROBIAL & ALGAE	Algae			X	X	X	X	X	X	X		
	Bacteria (Gram +/-)	X	X	X	X							
	Cyanobacteria	X	X	X	X							
	Fungi			X	X							
	Molds			X	X							
	Phytoplankton			X	X							
	Spores	X	X	X	X							
	Viruses	X	X	X	X							
	Yeast			X	X							
ANIMAL	Adipose tissue				X	X	X		X			
	Artery				X	X	X		X			
	Bone					X		X	X	X	X	
	Brain					X	X	X		X		
	Cartilage					X			X	X		X
	Colon					X	X	X		X	X	X
	Cornea					X	X	X	X	X	X	X
	Ear					X	X	X		X	X	X
	Feces				X	X	X	X				
	Fixed Samples					X	X	X		X		
	Hair						X		X	X	X	
	Heart					X	X	X		X	X	
	Insects				X	X	X	X	X	X	X	
	Kidney					X	X	X		X		
	Larvae					X	X	X		X		
	Liver					X	X	X		X		
	Lung					X	X	X		X		
	Mammalian Cells			X	X	X		X				
	Muscle					X	X	X		X	X	X
	Skin				X			X	X	X	X	X
Spleen					X	X	X		X			
Tail						X	X		X	X		
Tumors							X	X	X	X		
Worm			X		X	X	X		X			
PLANT & SOIL	Chloroplast	X	X	X	X							
	Cotton						X		X	X	X	
	Leaves				X	X	X	X	X	X		
	Moss				X		X		X	X	X	
	Pine needle						X		X	X	X	
	Plants cells				X	X		X				
	Roots				X		X		X	X	X	
	Sediments	X	X	X	X		X				X	
	Seeds								X	X	X	X
	Soils				X				X	X		
	Stems						X	X	X	X	X	
	Wood								X	X	X	X

This list is not exhaustive: find all detailed protocols on the Application Center: <http://www.berlin-instruments.com/application-center/>

Get access to over 2500 scientific documents contributed by Bertin Instruments user community to determine the best Precellys® Lysing Kit option!