

# 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
- **5 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 5 different volumes (0.5, 2, 7, 15 and 0.3mL tubes) and 3 different material of beads (Ceramic, Glass, Stainless Steel or Garnet).

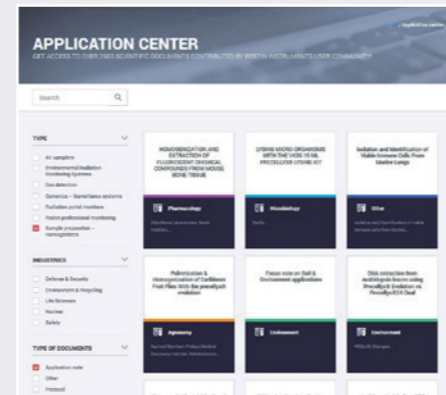
The **DNase/RNase free specifications** guarantee the best quality and yield of extraction.



## 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/>



## Precellys® Lysing Kit list

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

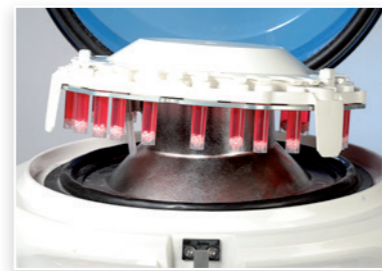
## Fully adapted to any type of samples: 5 volumes of tubes and accessories



### 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 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

TEMPERATURE RANGE OF USE:  
0.3mL, 0.5mL and 2mL tubes: -30°C  
2mL-R, 7mL and 15mL: -80°C

AUTOCCLAVABLE:  
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

# Choose the appropriate Precellys® Lysing kit

	LYSE				HOMOGENIZE			GRIND				
	VK01	CK01	VK05	SK38	CK14	CK28	CKMix	MK28R	CK28R	CKMix50	CK68	GK60
<b>MICROBIAL &amp; ALGAE</b>	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							
<b>ANIMAL &amp; HUMAN - FISH &amp; INSECT</b>	Adipose tissue				X	X	X		X			
	Artery				X	X	X		X			
	Bone							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			
<b>PLANT &amp; SOIL</b>	Chloroplast	X	X	X	X							
	Coton						X		X	X	X	
	Leaves				X	X	X	X		X	X	
	Moss				X		X		X	X	X	
	Pine needle						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!