



# FastPrep®

## Instruments, Kits and Consumables for Sample Preparation

MP Biomedicals offers a complete sample preparation solution with FastPrep® instruments, lysing matrix tubes and extraction kits.

Utilizing bead-beating technology, the FastPrep system provides complete lysis of virtually any sample type and is suitable for a variety of applications from soil analysis to forensics. Mechanical sample homogenization with the FastPrep system enables the isolation of DNA, RNA, proteins, and other small molecules while eliminating the need for chemicals or enzymes, which can inhibit downstream processes.

# BEAD-BEATING INSTRUMENTS FOR LYSING, HOMOGENIZING OR GRINDING ANY SAMPLE TYPE



## FastPrep-24™ 5G

Cat. No. 75784-596

Programmable touchscreen display allows for the use of pre-determined or custom homogenization speeds and duration times with the touch of a finger. Increased power features result in faster processing times and complete lysis of even the toughest samples.



## FastPrep-24™ Classic

Cat. No. IC116004500

Highly cited, providing researchers with consistent results and high yields as a reliable and affordable benchtop instrument.



## FastPrep-96™

Cat. No. IC116010500

High-throughput bead-beating grinder and lysis system with capacity for two 96-well tube racks (up to 192 samples per cycle). The high-speed linear motion thoroughly disrupts tissues and cells in seconds.



## Super FastPrep-2™

Cat. No. 75784-598

A portable, hand-held sample disruption instrument designed to quickly and efficiently homogenize, grind, or lyse biological and environmental samples. It can be used at remote locations and in most weather conditions for the immediate collection, processing and preservation of samples.

## LYSING MATRIX TUBES

MP Bio, the innovator in bead beating technologies, offers a wide variety of specialized Lysing Matrix tubes containing beads of different sizes, shapes and material to guarantee optimal cell homogenization of any sample type.

Lysing Matrix tubes are certified DNase- and RNase-free and are available in 2 mL, 4.5 mL, 15 mL, 50 mL and 96-well format sizes to meet any lysing, grinding, or homogenization needs.

Featured Lysing Matrix	Size	Cat. No.
<b>A</b> 	50 x 2 mL tubes	75784-610
	100 x 2 mL tubes	75784-612
	500 x 2 mL tubes	IC116910500
<b>C</b> 	50 x 2 mL tubes	75784-620
	100 x 2 mL tubes	75784-622
	500 x 2 mL tubes	75784-624
<b>D</b> 	50 x 2 mL tubes	75784-626
	100 x 2 mL tubes	IC116913100
	500 x 2 mL tubes	75784-606
<b>E</b> 	50 x 2 mL tubes	75784-628
	100 x 2 mL tubes	75784-630
	500 x 2 mL tubes	IC116914500
<b>M</b> 	100 x 2 mL tubes	76020-022
	500 x 2 mL tubes	76020-024
<b>S</b> 	50 x 2 mL tubes	76020-026
	100 x 2 mL tubes	76020-028
	500 x 2 mL tubes	76020-030
<b>Metal w/ grinding ball</b> 	2 x 2 mL tubes	IC116991002
	3 x 2 mL tubes	IC116991003
	6 x 2 mL tubes	IC116991006
<b>Metal w/ grinding cylinder</b> 	2 x 2 mL tubes	IC116992002
	3 x 2 mL tubes	IC116992003
	6 x 2 mL tubes	IC116992006



Our Lysing Matrices are also available in the following sizes:

**4.5 mL**

25, 50 & 100 tubes

**15 mL**

5, 25 & 50 tubes

**50 mL**

10 & 50 tubes

**96-well plates**

1, 4 & 10 96-well plates

## DNA AND RNA ISOLATION KITS

High-performing kits for extracting high molecular weight genomic DNA and RNA from a wide range of sample types, including microorganisms, animal tissues, cultures, plants, feces, soil and other environmental samples.



Technology	Name	Sample Type	Size	Cat. No.
<b>DNA Isolation Kits</b>				
Glassmilk Silica	FastDNA™ Kit	Biological	100 preps	75784-604
Glassmilk Silica Spin Filter	FastDNA™ SPIN Kit	Biological	100 preps	IC116540600
	FastDNA™ SPIN Kit for Plant and Animal Tissues	Plant and Animal Tissues	100 preps	IC116540800
	FastDNA™ SPIN Kit for Soil	Soil and Environmental	50 preps	IC116560200
	FastDNA™ SPIN Kit for Soil, 50 mL tubes	Soil and Environmental	10 preps	76020-016
	FastDNA™ SPIN Kit for Feces	Fresh or Frozen Stool	50 preps	75784-608
Silica Spin Filter	FastDNA™-96 Soil Microbe DNA Extraction Kit	Soil; High-throughput	2 x 96 preps	76020-048
<b>RNA Isolation Kits</b>				
Phenol Extraction	FastRNA™ Pro Blue Kit, 2 mL tubes	Gram Positive and Negative Bacteria	50 preps	75784-588
	FastRNA™ Pro Red Kit, 2 mL tubes	Yeast and Fungi	50 preps	75784-590
	FastRNA™ Pro Green Kit, 2 mL tubes	Plant and Animal Tissues; Cultured Cells	50 preps	75784-592
	FastRNA™ Pro Soil-Direct Kit	Soil	50 preps	75784-594
Silica Spin Filter	FastRNA™ SPIN Kit for Microbes	Bacterial Cell Cultures; Microbial	50 preps	75784-584
	FastRNA™ SPIN Kit for Yeast	Yeast, Algae, Fungi	50 preps	75784-586