

FastPrep®

Sample Preparation Selection Guide

Choosing the right combination of instruments, adapters, lysing matrices, and extraction kits is critical for efficient and reliable sample preparation. This selection guide helps you navigate the options—so you get the best setup for your workflow.



CHOOSE A FASTPREP® INSTRUMENT



Super FastPrep-2™

Cat. No. 116012500

Portable, battery-powered homogenizer for sample processing in the field.



FastPrep-24™ Classic

Cat. No. 116004500

Reliable, no-frills bead-beater delivering powerful, consistent sample disruption.



FastPrep-24™ 5G

Cat. No. 116005500

High-powered instrument with touchscreen control and program storage.



FastPrep-96™ Pro

Cat. No. 116014500

High-throughput system for complete lysis in tubes or 96-well plates.

EXPLORE ADAPTERS THAT FULFILL DIFFERENT SAMPLE REQUIREMENTS

FastPrep-24 Classic & 5G Adapters

Standard



HiPrep™ Adapter
48 x 2 mL tubes
Cat. No. 116002527



TallPrep™ Adapter
24 x 4.5 mL tubes
Cat. No. 116002540



TeenPrep™ Adapter
12 x 15 mL tubes
Cat. No. 116002526



BigPrep™ Adapter
2 x 50 mL tubes
Cat. No. 116002525

Metal



Metal QuickPrep™ Adapter
24 x 2 mL tubes
Cat. No. 116002545



Metal MidiPrep™ Adapter
18 x 5 mL tubes
Cat. No. 116002544



Metal TeenPrep™ Adapter
12 x 15 mL tubes
Cat. No. 116002546



Metal BigPrep™ Adapter
2 x 50 mL tubes
Cat. No. 116002547

Cryogenic



CoolPrep™ Adapter
24 x 2 mL tubes
Cat. No. 116002528



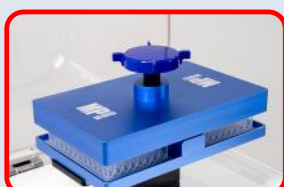
CoolTeenPrep™ Adapter
6 x 15 mL tubes
Cat. No. 116002530



CoolBigPrep™ Adapter
2 x 50 mL tubes
Cat. No. 116002531

FastPrep-96 Pro Adapters

Metal



Metal Dual Plate Holder Assembly
2 x 96-well deep-well plates
Cat No. 119696169



Metal QuickFlex™ Adapter
96 x 2 mL tubes
Cat. No. 116010575

Trade In
your old instrument

Trade Up
to a new FastPrep®

Ready to trade in your old machine?

Visit www.mpbio.com/homogenizer-trade-in

*Available for users in the United States only

Adapters for the original FastPrep-96

Adapters	Volume	Cat No.
QuickFlex Adapter	96 x 2 mL tubes	116010570
TallFlex Adapter	48 x 4.5 mL tubes	116010580
TeenFlex Adapter	20 x 15 mL tubes	116010560
BigFlex Adapter	8 x 50 mL tubes	116010550
LargeFlex Adapter	2 x 250 mL tubes	116010590
ConeFlex Adapter	FastPrep-24™ tube holder adapter	116010595

*When selecting a new ratchet nut locking system for an adapter, pair the Red Clickmaster Ratchet Nut (cat. no. 119696170) with the original FastPrep-96 and the Blue Clickmaster Ratchet Nut (cat. no. 116004525) with the FastPrep-24 Classic, FastPrep-24 5G, and FastPrep-96 Pro.

Learn more at www.mpbio.com

SELECT LYSING MATRIX FOR YOUR SAMPLES*

Sample Type	Lysing Matrix																	
Animal & Human Tissues	A	B	C	D	E	F	G	H	I	J	K	M	S	SS	Y	YB	Z	
Soft Tissues (Lung, Breast, Kidney, Heart, Intestine, Muscle, Spleen, Liver, Brain)	●			●									●	●			●	
Skin	●			●														
Nail													●					
Tail, Ear	●												●					
Vascular tissue	●			●													●	
Hair													●					
Bone	●										●	●	●	●				
Tumor	●												●					
Mammalian cell	●			●													●	
Infected tissue (isolation of viruses or virus)												●						
Microorganisms	A	B	C	D	E	F	G	H	I	J	K	M	S	SS	Y	YB	Z	
Bacteria (gram + and -)	●	●				●				●						●		
Yeast, Mold	●		●			●	●				●				●	●		
Bacterial & Fungal spore	●	●				●	●		●	●	●			●		●		
Algae	●		●				●								●	●		
Virus	●	●														●		
Environmental Samples	A	B	C	D	E	F	G	H	I	J	K	M	S	SS	Y	YB	Z	
Soil, Marine sediment, Rhizosphere, Manure, Compost, Sludge, Feces, Wastewater					●		●	●	●							●		
Plant Tissues	A	B	C	D	E	F	G	H	I	J	K	M	S	SS	Y	YB	Z	
Leaf	●			●		●	●										●	
Seed	●					●	●	●	●			●	●	●				
Root	●					●	●						●					
Needle	●					●	●					●	●					
Wood	●					●	●	●	●									
Stem, Flower	●			●		●	●										●	
Insects & Worms	A	B	C	D	E	F	G	H	I	J	K	M	S	SS	Y	YB	Z	
Tick, Fly	●			●				●	●								●	
Nematode	●		●	●													●	
Bee, Mosquito	●			●														

* Table includes general recommendations for new users. Also, our Biopulverizer Sets containing multiple Lysing Matrix formats are available to help you optimize conditions perfect for your sample type. Visit www.mpbio.com to view our complete list of Lysing Matrix products.

Available in a variety of sizes and packaging configurations to fit any sample volume



QuickPrep Tubes
2 mL



TallPrep Tubes
4.5 mL



TeenPrep Tubes
15 mL



BigPrep Tubes
50 mL



Metal Lysing Tube
2 mL / 50 mL



96-well Plates
High-Throughput

FIND THE PERFECT EXTRACTION KIT

MP Biomedicals offers three distinct categories of nucleic acid extraction kits, each tailored to specific needs. Choose our renowned FastDNA/RNA kits for high-yield DNA and RNA extraction from a variety of samples. For unmatched purity, opt for SPINeasy spin-column kits. Or, for high-throughput, automated isolation, select our MagBeads FastDNA /RNA kits with magnetic bead technology.

FASTDNA/RNA NUCLEIC ACID EXTRACTION KITS

Sample Type	SKU	Product Name	Pack Size (prep)	Format
Various Sample	116540400	FastDNA Kit	100	Glassmilk
	116540600	FastDNA SPIN Kit (updated version of FastDNA Kit)	100	Glassmilk Silica Spin Filter
Soil, Environmental & Fecal	116560600	FastDNA SPIN Kit for Soil	10	Glassmilk Silica Spin Filter
	116560200		50	
	116560300		100	
	116570200	FastDNA SPIN Kit for Feces	50	Glassmilk Silica Spin Filter
	116070050	FastRNA Pro Soil-Direct Kit	50	Phenol Extraction
Gram +/- Bacteria	116025050	FastRNA Pro Blue Kit	50	Phenol Extraction
Plant and Animal Tissues	116045050	FastRNA Pro Green Kit	50	Phenol Extraction



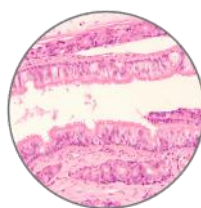
Roots



Seeds



Soil



Tissue



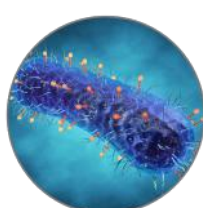
Waste-water



Yeast



Animals



Bacteria



Feces



Food



Hair



Plant

SPINEASY NUCLEIC ACID EXTRACTION KITS

Sample Type	SKU	Product Name	Pack Size (prep)	Format
Bacteria	116541050	SPINeasy® RNA Kit for Bacteria	50	Single Column
	116534050	SPINeasy® Plasmid Miniprep Kit	50	Single Column
	116539025	SPINeasy® Plasmid Midiprep Kit	25	Single Column
	116534096	SPINeasy® 96-Well Plasmid Miniprep Kit	96	96-Well Spin Plate
Blood	116552050	SPINeasy® DNA Kit for Blood	50	Single Column
	116566050	SPINeasy® RNA Kit for Blood	50	Single Column
	116582050	SPINeasy® DNA/RNA Kit for Blood	50	Single Column
	116552096	SPINeasy® 96-Well DNA Kit for Blood	96	96-Well Spin Plate
Contaminated DNA Fragments	116548050	SPINeasy® DNA Purification Kit	50	Single Column
Feces	116547050	SPINeasy® DNA Pro Kit for Feces	50	Single Column
	116555050	SPINeasy® DNA/RNA Kit for Feces	50	Single Column
	116556050	SPINeasy® RNA Kit for Feces	50	Single Column
Host-microbial Mixed Samples	116545050	SPINeasy® Host Depletion Microbial DNA Kit	50	Single Column
Microbiome	116553050	SPINeasy® DNA Kit for Microbiome	50	Single Column
PCR & Gel Blot	116538050	SPINeasy® PCR Purification and Gel Extraction Kit	50	Single Column
Plant	116535050	SPINeasy® DNA Kit for Plant	50	Single Column
Saliva	116551050	SPINeasy® DNA Kit for Saliva	50	Single Column
Soil	116546050	SPINeasy® DNA Pro Kit For Soil	50	Single Column
	116549010	SPINeasy® DNA Maxi Kit for Soil	50	Single Column
	116585050	SPINeasy® RNA Kit for Soil	50	Single Column
	116554050	SPINeasy® DNA/RNA Kit for Soil	50	Single Column
	116546096	SPINeasy® 96-Well DNA Pro Kit for Soil	96	96-Well Spin Plate
Tissue	116558050	SPINeasy® DNA Kit for Tissue (With Lysing Matrix)	50	Single Column
	116559050	SPINeasy® DNA Kit for Tissue (Without Lysing Matrix)	50	Single Column
	116543050	SPINeasy® RNA Kit for Tissue (With Lysing Matrix)	50	Single Column
	116542050	SPINeasy® RNA Kit for Tissue (Without Lysing Matrix)	50	Single Column
	116559096	SPINeasy® 96-Well DNA Kit for Tissue	96	96-Well Spin Plate
Tissue & Cell Cultures	116544050	SPINeasy® DNA/RNA/Protein All-In-One Kit	50	Single Column
Viral Samples	116537050	SPINeasy® Virus RNA Kit	50	Single Column
Water	116536050	SPINeasy® DNA Kit for Water	50	Single Column
Yeast	116557050	SPINeasy® DNA Kit for Yeast	50	Single Column
	116565050	SPINeasy® RNA Kit for Yeast	50	Single Column
	116584050	SPINeasy® Yeast Plasmid Miniprep Kit	50	Single Column

* Lysing matrix is provided in the kit unless specified

MAGBEADS FASTDNA/RNA NUCLEIC ACID EXTRACTION KITS

Sample Type	SKU	Product Name	Pack Size (prep)	Format*
Bacteria	116587050	MagBeads Plasmid Miniprep Kit	50	Bottled
	117040100	MagBeads Plasmid Miniprep Kit (Ready-to-Use for MPure-32™)	96	Prefilled Plate
Blood	116574096	MagBeads FastDNA™ Kit for Blood	96	Bottled
	116586050	MagBeads FastRNA™ Kit for Blood	50	Bottled
	117033700	MagBeads FastDNA™ Kit for Blood (Ready-to-Use for MPure-32™)	96	Prefilled Plate
	117039100	MagBeads FastRNA™ Kit for Blood (Ready-to-Use for MPure-32™)	96	Prefilled Plate
Cell-free Body Fluids	116577192	MagBeads Fast Circulating DNA Kit	192	Bottled
	117033900	MagBeads Fast Circulating DNA Kit (Ready-to-Use for MPure-32™)	96	Prefilled Plate
Feces	116570400	MagBeads FastDNA Kit for Feces	50	Bottled
	117033200	MagBeads FastDNA™ Kit for Feces (Ready-to-Use for MPure-32™)	96	Prefilled Plate
FFPE Tissue	116573192	MagBeads FastRNA™ Kit for FFPE	192	Bottled
	116576096	MagBeads FastDNA Kit for FFPE	96	Bottled
	117033500	MagBeads FastRNA™ Kit for FFPE (Ready-to-Use for MPure-32™)	96	Prefilled Plate
	117033800	MagBeads FastDNA™ Kit for FFPE (Ready-to-Use for MPure-32™)	96	Prefilled Plate
Microbiome	116583050	MagBeads FastDNA™ Kit for Microbiome	50	Bottled
	117038100	MagBeads FastDNA™ Kit for Microbiome (Ready-to-Use for MPure-32™)	96	Prefilled Plate
Soil	116561050	MagBeads FastDNA™ Kit for Soil	50	Bottled
	117033100	MagBeads FastDNA™ Kit for Soil (Ready-to-Use for MPure-32™)	96	Prefilled Plate
Viral Samples	116571192	MagBeads FastDNA/RNA™ Kit for Virus	192	Bottled
	116578050	MagBeads FastRNA™ Kit for Virus	50	Bottled
	117033300	MagBeads FastDNA/RNA™ Kit for Virus (Ready-to-Use for MPure-32™)	96	Prefilled Plate
	117035100	MagBeads FastRNA™ Kit for Virus (Ready-to-Use for MPure-32™)	96	Prefilled Plate
Various Samples	116572096	MagBeads FastRNA™ Kit	96	Bottled
	116575192	MagBeads FastDNA™ Kit	192	Bottled
	117033400	MagBeads FastRNA™ Kit (Ready-to-Use for MPure-32™)	96	Prefilled Plate
	117033600	MagBeads FastDNA™ Kit (Ready-to-Use for MPure-32™)	96	Prefilled Plate

*Bottled formats allow users to customize reagent use. Prefilled plates save time and improve consistency.



MP BIOMEDICALS

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