



Lab Basics

Lab Essentials Products

- Grinding & Lysis
- Extraction & Purification
- PCR
- Cell Culture
- Immunology
- Biochemicals
- Food Quality
- Animal Research Diets
- Fine Chemicals & Sourcing
- Diagnostics





MP Biomedicals is a world-leading supplier of products for Life Science research for over 50 years. One source for all your research needs.

www.mpbio.com



	SUMMARY	2
	MP BIOMEDICALS	4
	GRINDING & LYSIS	6
	FastPrep® Bead Beating Instruments	7
	FastPrep® Lysing Matrix Tubes	11
	Smart Vortimizer™	14
	EXTRACTION & PURIFICATION	15
	DNA Extraction Kits	16
	RNA Extraction Kits	19
	DNA, RNA & Proteins Coextraction Kits	21
	Nucleic Acid Automated Purification	22
	Nucleic Acid Extraction Reagents	23
	PCR	24
	End-Point PCR Enzyme, Mastermix and Kits	25
	dNTP Mixes	26
	T4 Bacteriophage Gene 32 Protein (T4 gp32)	26
	Water (DNase, RNase-FREE)	26
	CELL CULTURE	27
	Bacteria	28
	Yeast	29
	Animal & Human.....	30
	Cell Culture Reagents	35
	Plant	40
	IMMUNOLOGY	41
	Polyclonal Antibodies for Immunoassay	41
	Monoclonal Antibodies	42
	BIOCHEMICALS	43
	Buffers	44
	Electrophoresis	47
	Surfactants	49
	Dextran Based Products	50
	Cleaning Solutions	52



	FOOD QUALITY	55
	SafTest™ Platform	55
	SafTest™ Kits	56
	ANIMAL RESEARCH DIETS	57
	Vitamin Mixes	57
	Mineral Mixes	58
	Common Formulations Ingredients	58
	FINE CHEMICALS & SOURCING	59
	Adsorbents for Chromatography and Filtration	59
	Bulk Sourcing Service	61
	DIAGNOSTICS	63



We fuel research, development, and commercialization to advance Life Sciences that improve the human condition.

MP Biomedicals is a leading global life science company headquartered in California, with a strong international presence through regional offices worldwide. We offer an extensive portfolio of life science products, fine chemicals, and diagnostics, serving diverse markets including academic research, hospitals, clinical diagnostics, biotechnology, pharmaceuticals, and various industries.

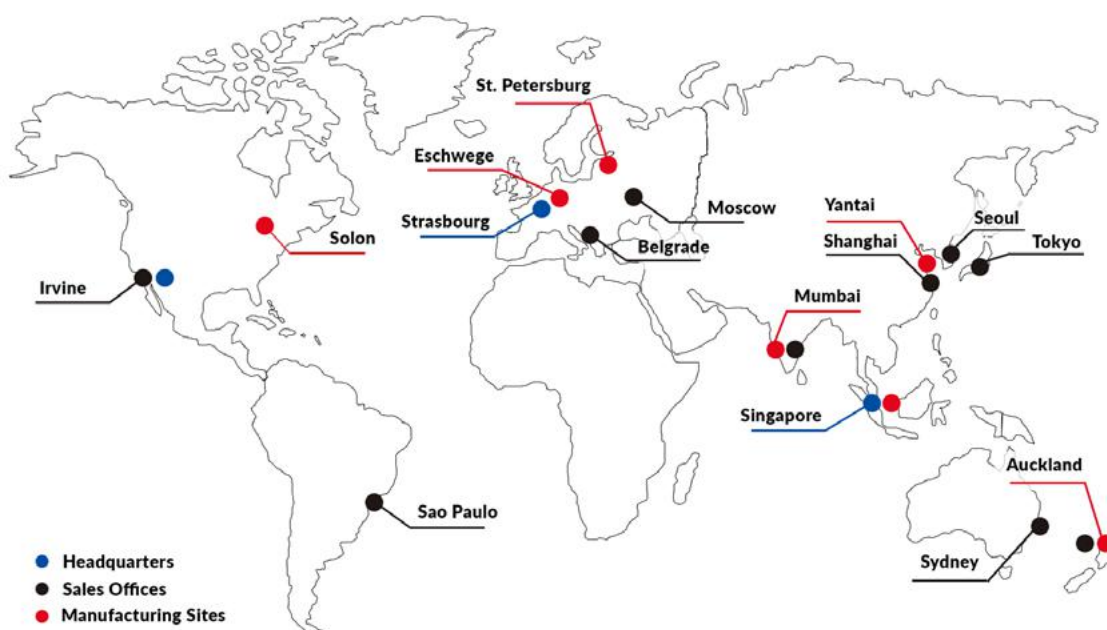
For over 50 years, we have been committed to providing high-quality tools and expert services that empower our customers to achieve groundbreaking discoveries and excel in scientific research. Our life science instruments and reagents are designed to meet the precise needs of scientists, enabling them to conduct their work with accuracy and efficiency.

This promise is met through our four brand pillars:

- ▶ **Quality:** our instruments and reagents are widely used and cited because they support high-quality data generation while remaining affordable for academia and industry alike.
- ▶ **Selection:** with an unrivaled network of manufacturers, we can rapidly deliver the exact grade and amount of chemical or reagent a customer needs—we've got a source for that.
- ▶ **Flexibility:** we recognize that every project is different and can customize our offering to meet a customers' specific needs.
- ▶ **Responsiveness:** our focus on customers' needs translates into fast response times to all communications, which we strive to keep to less than 24 hours.

Our Worldwide Locations

Our offices are located around the globe to support and deliver solutions to our international customers as quickly as possible.





Dedicated Team for Technical Support

Our technical support team is here to assist you with their extensive experience and knowledge for MP Biomedicals products. Do not hesitate to call on the expertise of our multilingual team, they will provide you with swift and effective solutions to keep your experiments running smoothly.

With their help, access the information and documents you need, such as: specifications, instructions for use, bibliographical references, or other certificates.

techsup.eur@mpbio.com
custserv.na@mpbio.com
custserv.ap@mpbio.com

Customer Care – Committed to your Satisfaction.

At MP Biomedicals, our Customer Care Department, is your dedicated partner, committed to ensuring your satisfaction every step of the way. With personalized attention and quick assistance, we are here to address your inquiries, resolve any concerns, and make your experience with us exceptional. Our Customer Care Department speak 6 languages (English, French, German, Spanish, Croatian & Chinese) and are committed to meet your expectations, as our priority is your satisfaction.

[English](#)
[French](#)
[German](#)
[Spanish](#)
[Croatian](#)
[Chinese](#)

Logistics Capabilities

Our logistics are the backbone of our business as a leading manufacturer and distributor of Life Science and *in-vitro* Diagnostic products. With headquarters in Irvine, California (USA), Eschwege (Germany), and Singapore, we operate a global logistics network that ensures optimized distribution across the world.

[ISO 9001](#)
[ISO 13485](#)

Local Support and Sales Expertise Across Europe

We are proud to have a strong presence in Europe, with dedicated direct sales teams based in France, United Kingdom, Ireland, Germany, and Austria. For other European countries, our inside sales team is ready and eager to assist with any needs you may have. Our local teams are committed to providing personalized support and are always available to respond to your inquiries and requests. Whether you require help with product selection, instrument demonstrations, or any other service, our teams are dedicated to ensuring you receive the highest level of care and solutions tailored to your specific needs.

Global Network of Distributors

MP Biomedicals sells research products, services and support to a vast network of distributors worldwide. Each distributor has been carefully selected and trained to ensure our customers receive the best possible products and service. If you require further assistance, you can contact us any time at one of our office locations around the world for direct sales and support.



Discover all our distributors on:
<https://www.mpbio.com/eu/distributors>



GRINDING & LYSIS

○ **FastPrep®** Bead Beating Instruments

SuperFastPrep-2®

FastPrep-24® Classic

FastPrep-24® 5G

Tube Holders for FastPrep-24®

FastPrep-96®

FastPrep-96® Pro

Tube Holders for FastPrep-96®

○ **FastPrep®** Lysing Matrix Tubes

○ **Smart Vortenizer™**



FastPrep® Bead Beating Instruments

Achieve complete lysis of virtually any sample type with FastPrep® instruments. Known for consistent performance that generates reproducible results, the FastPrep® bead beating system is carefully engineered to maximize mechanical tissue homogenization. As a result, you can efficiently isolate high-quality DNA, RNA, and proteins without the need for chemicals or enzymes, which might inhibit downstream processes.



Super FastPrep-2®
Cat. N°: 116012500



FastPrep-24® Classic
Cat. N°: 116004500



FastPrep-24® 5G
Cat. N°: 116005500



FastPrep-96®
Cat. N°: 116010500



FastPrep-96® Pro
Cat. N°: 116014500



FastPrep® Bead Beating Instruments



SuperFastPrep-2®

High-Performance, Handheld Field Lysis System

Cat. N°: 116012500, SuperFastPrep-2® Instrument

- ▶ **Thorough grinding:** Omnidirectional motion with a unique crankshaft-slider mechanism. Proceed up to 2 x 2 mL Lysing Matrix tubes.
- ▶ **Time saving:** Complete sample lysis of most difficult samples in 5 to 15 seconds.
- ▶ **Portable:** Handheld system for lab and field use, with built-in battery power supply.
- ▶ **No clean-up:** Single-use Lysing Matrix tubes containing an O-ring seal.
- ▶ **Complete solution:** High number of ready-to-use Lysing Matrix tubes and wide range of purification kits for DNA, RNA and proteins designed to fit any sample and application.



FastPrep-24® Classic

Bench-Top Bead Beating Lysis System

Cat. N°: 116004500, FastPrep-24® Classic

- ▶ High Reproducibility with precise setting of lysis time and speed.
- ▶ Eliminate cross-contamination with single-use Lysing Matrix tubes.
- ▶ Save up to 5 pre-set speed/time parameters.
- ▶ Wide choice of tube holders, installed in seconds without tools.



FastPrep-24® 5G

The Most Advanced Grinder




Cat. N°: 116005500, FastPrep-24® 5G Instrument

- ▶ **Most powerful:** Highest speed available improves the quality, yield, and purity of the resultant analyte.
- ▶ **Proven performance:** Delivers the most DNA, RNA and Proteins from any sample type including the most resistant samples in 40 seconds.
- ▶ **Unmatched flexibility:** Industries largest variety of interchangeable sample holders, processing samples from 2 - 50 mL, in ambient or cryogenic temperatures.
- ▶ **Highest yields:** Proven track record to obtain the highest quantities and purity of biologically active DNA, RNA, and Proteins compared to other methods.



FastPrep® Bead Beating Instruments

Tube Holders for FastPrep-24®

Application	Tube Size	Tube Capacity	Name	Cat. No.
 Standard tube holders for ambient temperature work	2 mL tubes	24	QuickPrep™	116005512
	2 mL tubes	48	HiPrep™	116002527
	4.5 mL tubes	24	TallPrep™	116002540
	5 mL tubes	16	MidiPrep™	116002557
	15 mL tubes	12	TeenPrep™	116002526
	50 mL tubes	2	BigPrep™	116002525
 Metal tube holders - sterilizable	2 mL tubes	24	Metal QuickPrep™	116002545
	5 mL tubes	18	Metal MidiPrep™	116002544
	15 mL tubes	12	Metal TeenPrep™	116002546
	50 mL tubes	2	Metal BigPrep™	116002547
 Temperature sensitive sample	2 mL tubes	24	CoolPrep™	116002528
	15 mL tubes	6	CoolTeenPrep™	116002530
	50 mL tubes	2	CoolBigPrep™	116002531

TallPrep™



TeenPrep™



Metal MidiPrep™



CoolPrep™





FastPrep® Bead Beating Instruments



FastPrep-96®

High-Throughput Bead Beating Grinder and Lysis System

Cat. N°: 116010500, FastPrep-96® Instrument

- ▶ **High throughput:** Process up to 192 samples simultaneously in 2 x 96 deep well plates.
- ▶ **Fast processing speed:** 1800 Oscillations/min.
- ▶ **Exceptional versatility:** Interchangeable sample holders available for 2 x 96 deep well plates, 96 x 2 mL tubes, 48 x 4.5 mL tubes, 24 x 15 mL tubes, 8 x 50 mL tubes, and 2 x 250 mL bottle.
- ▶ **True linear motion:** Eliminates the need to re-orient plates mid-cycle.



FastPrep-96® Pro

Compact, High-Throughput Homogenizer



Cat. N°: 116014500, FastPrep-96® Pro Instrument

- ▶ True linear vertical motion for high-throughput samples.
- ▶ LED indicator provides real-time machine status updates.
- ▶ User-friendly graphical interface with a digital display.
- ▶ Versatile accessories and durable enclosures.



FastPrep® Bead Beating Instruments

Tube Holders for FastPrep-96®

Application	Tube Size	Tube Capacity	Name	Cat. No.
 Metal tube holders - sterilizable	96 deep well plates	2 x 96	Metal Dual Plate™	119696169
	96 deep well plates	2 x 96	Dual Plate™	119696168
 Standard ambient temperature	2mL tubes	96	QuickFlex™	116010570
	4.5 mL tubes	48	TallFlex™	116010580
	15 mL tubes	24	TeenFlex™	116010560
	50 mL tubes	8	BigFlex™	116010550
	250 mL bottles	2	LargeFlex™	116010590

Dual Plate™



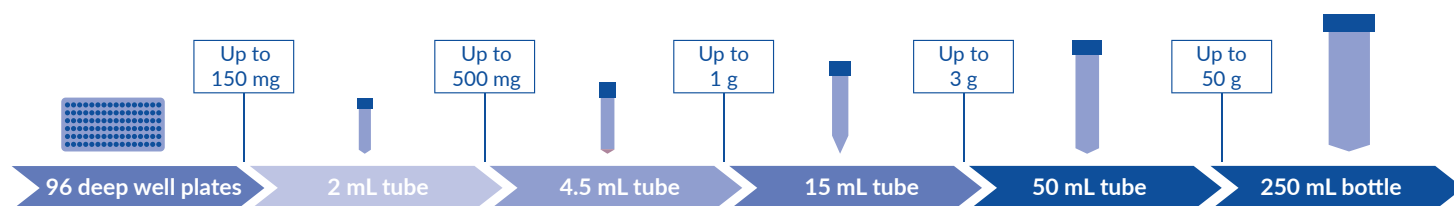
Large Flex™





FastPrep® Lysing Matrix Tubes

FastPrep® Lysing Matrices make difficult-to-lyse samples easy. No matter how tough or resistant your samples are FastPrep® Lysing Matrix tubes will effectively disrupt cell walls, providing the highest yields of nucleic acids and proteins in a matter of seconds. All Lysing Matrix tubes fit any high-speed bead-beating homogenizers. MP Biomedicals offers a wide variety of lysing bead mixes to fit all sample types and applications.



Description	Pack Size
2 mL	50, 100 and 500 x 2 mL tubes
4.5 mL	25, 50 and 100 x 4.5 mL tubes
15 mL	25 and 50 x 15 mL tubes
50 mL	10, 50 and 100 x 50 mL tubes
250 mL	10 x 250 mL bottles
96 deep well plates	1 and 10 x 96 deep well plates





Lysing Matrix Tubes

Achieve optimal lysing performance with FastPrep® Lysing Matrix tubes.



Lysing Matrix A

Composition: Garnet matrix and one 6.35 mm ceramic sphere

- All sample types
- Animal
- Fungi
- Bacteria
- Yeast
- Plants



Lysing Matrix B

Composition: 0.1 mm silica spheres

- Bacteria
- Spores



Lysing Matrix C

Composition: 1 mm silica spheres

- Yeast
- Fungi
- Algae



Lysing Matrix D

Composition: 1.4 mm ceramic spheres

- Animal tissues
- Plant tissues
- Cultured cells



Lysing Matrix E

Composition: 1.4 mm ceramic spheres, 0.1 mm silica spheres and 4 mm glass bead

- Soil
- Fecal
- Sludge
- Pollen
- Wastewater
- Environmental water



Lysing Matrix F

Composition: 1.6 mm aluminum oxide particles and 1.6 mm silicon carbide particles

- Animal tissues
- Plant tissues
- Bacteria
- Mold & fungi



Lysing Matrix G

Composition: 1.6 mm silicon carbide particles and 2 mm glass beads

- Animal tissues
- Plant tissues
- Yeast
- Fungi



Lysing Matrix H

Composition: 2 mm glass beads and 2 mm yellow zirconium oxide beads

- Animal
- Plants
- Ancient & dried samples
- Very dense soil and clay
- Bacterial aggregates
- Whole insects, ticks & fleas
- Wood & seeds



Lysing Matrix I

Composition: 2 mm yellow zirconia beads and one 4 mm ceramic sphere

- Animal
- Plants
- Coral emulsions
- Molds & fungi
- Fixed samples



Lysing Matrix Tubes

Achieve optimal lysing performance with FastPrep® Lysing Matrix tubes.



Lysing Matrix J

Composition: 2 mm yellow zirconia beads and 1.6 mm aluminum oxide particles

- Animal
- Plants
- Ancient & dried samples
- Very dense soil & clay
- Dry fungal spores & rusts
- Whole insects, ticks & fleas
- Wood & seeds



Lysing Matrix K

Composition: 0.8 mm zirconium silicate beads

- Non-viable tissues
- Fungal & yeast spores
- Animal by-products
- Bone
- Preserved tissues



Lysing Matrix M

Composition: one 6.35 mm zirconium oxide ceramic grinding sphere

- All samples
- Tough tissues
- Seed & spores
- Skeletal muscle
- Lung, heart & bone



Lysing Matrix S

Composition: six 3.175 mm stainless steel beads

- All samples
- Tough tissues
- Seed
- Skeletal muscle
- Lung, heart & bone



Lysing Matrix SS

Composition: one 6.35 mm stainless-steel grinding ball

- All samples
- Tough tissues
- Seed
- Skeletal muscle
- Lung, heart & bone



Lysing Matrix Y

Composition: 0.5 mm Yttria-stabilized zirconium oxide beads

- Algae
- Yeast & fungi (inc. spores)



Lysing Matrix Z

Composition: 2.0 mm Yttria-stabilized zirconium oxide beads

- Animal tissues
- Plant tissues



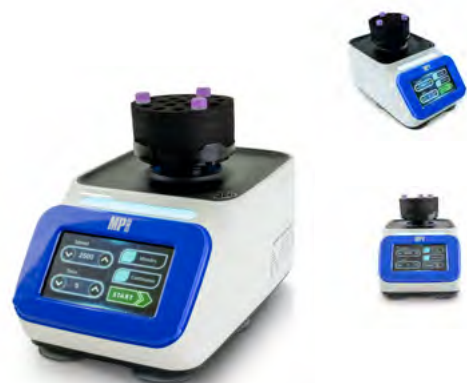
Learn more:

www.mpbio.com/eu/life-sciences/sample-preparation-0/fastprep-lysing-matrices



Smart Vortenizer

Sample agitation instrument



Smart Vortenizer™

Gentle shaking to high-speed mixing

Cat. N°: 118100500

- ▶ Maximum speed with zero bench creep for stable operation.
- ▶ Accommodates up to 19 × 2 mL tubes for efficient processing.
- ▶ Proximity sensor enables touchless vortex mixing for convenience and hygiene.
- ▶ Bright LED indicator bar provides clear task status updates.
- ▶ 7" touchscreen ensures intuitive control and precision.



EXTRACTION & PURIFICATION

- **DNA Extraction Kits**
- **RNA Extraction Kits**
- **DNA, RNA & Protein Coextraction Kits**
 - Coextraction DNA & RNA Extraction Kits
 - Coextraction DNA, RNA & Proteins Extraction Kit
- **Nucleic Acid Automated Purification**
 - MPure-32™
 - MPure-96™
- **Nucleic Acid Extraction Reagents**
 - Phenol/Chloroform
 - Other Reagents for DNA Extraction
 - RNAintact™ - Stabilization Solution

Ready-to-Use Protocols for DNA, RNA, and Protein Isolation from any Sample!

- Rapid and reproducible sample lysis and purification process.
- No cross-contamination with closed Lysing Matrix tubes.
- Increased yields of high-quality DNA, RNA, and Proteins.
- Integrity and size of DNA, RNA, and Proteins are retained.
- Nucleic acids and proteins are ready-to-use in downstream applications.



Magnetic Beads



Organic Reagents



Silica Spin Columns



DNA Extraction Kits

Magnetic Beads

Name	Sample Type	Pack Size	Cat No.
MagBeads FastDNA® Kit for Soil	Soil and Environmental	50 preps	116561050
MagBeads FastDNA® Kit for Feces	Feces	50 preps	116570400
MagBeads FastDNA® Kit	Animal Tissues, Cells, Saliva and Swabs	192 preps	116575192
MagBeads FastDNA® Kit for Blood	Blood and Bodily Fluids	96 preps	116574096
MagBeads FastDNA® Kit for FFPE	FFPE Samples	96 preps	116576096
MagBeads FastDNA® Kit for Microbiome	Microbial Culture, Body Fluids, Swabs, Environmental	50 preps	116583050
MagBeads FastDNA® Kit Miniprep Kit	Bacterial Culture	50 preps	116587050
MagBeads Fast Circulating DNA Kit	Cell-Free Body Fluids	192 preps	116577192
MagBeads FastDNA/RNA Kit for virus	Animal Tissues, Bodily Fluids and Cell Culture Supernatant	192 preps	116571192

Best Seller



MagBeads FastDNA® Kit for Feces

- ▶ **Quick and simple:** Manual extraction in one hour from human and animal feces, intestinal contents.
- ▶ **Flexible:** Manual workflow or easily adaptable to automated platforms.
- ▶ **High-quality DNA:** Intact, high yield, and free from inhibitors.
- ▶ **Environmentally friendly:** No toxic chemicals.



 Magnetic Beads

 Lysing Matrix E



DNA Extraction Kits

Silica in Slurry with Spin Filters

Name	Sample Type	Pack Size	Cat No.
FastDNA® SPIN Kit	All Biological Samples	100 preps	116540600
FastDNA® SPIN Kit for Plant and Animal Tissues	Plant and Animal Tissues	100 preps	116540800
FastDNA® SPIN Kit for Soil	Soil and Environmental	50 preps	116560200
FastDNA® SPIN Kit for Feces	Feces	50 preps	116570200
FastDNA® SPIN Kit for Soil, 50 mL	Soil and Environmental	10 preps	116560600

Best Seller



FastDNA® SPIN Kit for Soil

- ▶ **Efficient sample homogenization:** Thorough lysis in seconds of any microorganism present in environmental samples with Lysing Matrix E tubes.
- ▶ **Consistent DNA yields:** Excellent reproducibility for an optimum assay-to-assay consistency.
- ▶ **High DNA quality:** Total removal of humic acids and PCR inhibitors for a successful investigation of microbial diversity.
- ▶ **Convenient and rapid protocol:** Ready-to-use DNA for quantitative and qualitative characterization of microbial soil communities.



Silica in slurry and spin filters

Lysing Matrix E



DNA Extraction Kits

Silica Spin Columns

Name	Sample Type	Pack Size	Cat No.
SPINeasy® DNA Kit for Tissue	Animal Tissues, Cultured Cells	50 preps	116558050
SPINeasy® DNA Kit for Plant	Plant Tissues	50 preps	116535050
SPINeasy® DNA Kit for Water	Water	50 preps	116536050
SPINeasy® DNA Pro Kit for Feces	Fecal Samples	50 preps	116547050
SPINeasy® DNA Pro Kit for Soil	Soil and Environmental	50 preps	116546050
SPINeasy® DNA Kit for Blood	Blood	50 preps	116552050
SPINeasy® DNA Kit for Saliva	Saliva	50 preps	116551050
SPINeasy® DNA Kit for Yeast	Yeast	50 preps	116557050
SPINeasy® DNA Kit for Microbiome	Bacteria	50 preps	116553050
SPINeasy® DNA Kit Purification Kit	Genomic DNA Contaminated with Inhibitors	50 preps	116548050
SPINeasy® PCR Purification and Gel Extraction Kit	DNA from PCR and Restriction Digestion or from Gel	50 preps	116538050
SPINeasy® Host Depletion Microbial DNA Kit	Bodily Fluids and Swabs	50 preps	116545050
SPINeasy® Plasmid Miniprep Kit	Bacterial Culture	50 preps	116534050
SPINeasy® Plasmid Midiprep Kit	Bacterial Culture	50 preps	116539050
SPINeasy® Yeast Plasmid Miniprep Kit	Yeast	50 preps	116584050
SPINeasy® 96-Well DNA Pro Kit for Soil	Soil	96 preps	116546096
SPINeasy® 96-Well Plasmid Miniprep Kit	Bacterial Culture	96 preps	116534096
SPINeasy® 96-Well DNA Kit for Tissue	Animal Tissues, Cultured Cells	96 preps	116559096
SPINeasy® 96-Well DNA Kit for Blood	Blood	96 preps	116552096

Best Seller



SPINeasy® DNA Kit for Water

- ▶ **Simple and fast extraction:** Kit supplied with sterile filters to filtrate water samples. Rapid and efficient lysis of microorganisms retained on the filter with 5 mL Lysing Matrix E tubes.
- ▶ **High-quality DNA:** Proprietary buffers designed for the removal of contaminants significantly improves the purity of extracted DNA.
- ▶ **Wide range of applications:** Suitable for various types of water samples such as river water, pond water, seawater, and sewage.



! Silica spin columns

● Lysing Matrix E



RNA Extraction Kits

Organic Extraction

Name	Sample Type	Pack Size	Cat No.
FastRNA® Pro Blue Kit	Bacteria	50 preps	116025050
FastRNA® Pro Red Kit	Yeast and Fungi	50 preps	116035050
FastRNA® Pro Green Kit	Animal and Plant Tissues	50 preps	116045050
FastRNA® Pro Soil-Direct Kit	Soil and Environmental	50 preps	116070050

Best Seller



FastRNA® Pro Blue Kit

- ▶ **Efficient:** Lysis of any gram-positive and gram-negative bacteria with Lysing Matrix B tubes.
- ▶ **Consistent yields:** RNA isolation with the single-reagent RNApro™ Solution.
- ▶ **High-quality:** RNA is ready-to-use for a variety of downstream applications.



Organic Extraction

Lysing Matrix B

The FastRNA® Pro Blue Kit is optimized for the purification of total RNA from both gram-positive and gram-negative bacteria. Add a pellet of up to 10^{10} cells in suspension to a 2 mL tube containing Lysing Matrix B and the proprietary RNApro™ Solution. After one 40-second run in the FastPrep® instrument, total RNA is isolated via chloroform extraction and ethanol precipitation.



RNA Extraction Kits

Silica Spin Columns

Name	Sample Type	Pack Size	Cat No.
SPINeasy® RNA Kit for Bacteria	Bacteria	50 preps	116541050
SPINeasy® RNA Kit for Tissue	Plant and Animal Tissues	50 preps	116543050
SPINeasy® Virus RNA Kit	Animal Tissues, Bodily Fluids and Cell Culture Supernatant	50 preps	116537050
SPINeasy® RNA Kit for Yeast	Yeast	50 preps	116565050
SPINeasy® RNA Kit for Blood	Blood	50 preps	116566050
SPINeasy® RNA Kit for Soil	Soil and Environmental	50 preps	116585050
SPINeasy® RNA Kit for Feces	Fecal Samples	50 preps	116556050

Product Showcase



SPINeasy® RNA Kit for Tissue

- ▶ **Efficient:** Lysis of any human, animal, plant tissue, or cell culture sample with Lysing Matrix A tubes.
- ▶ **Convenient:** Silica spin column method for an easy extraction process.
- ▶ **High-quality:** RNA is ready-to-use for a variety of downstream applications.
- ▶ **Environmentally friendly:** No toxic chemicals.



Silica Spin Columns

Lysing Matrix A

Magnetic Beads

Name	Sample Type	Pack Size	Cat No.
MagBeads FastRNA® Kit	Animal Tissues, Cells in Culture	96 preps	116572096
MagBeads FastRNA® Kit for FFPE	FFPE Samples	192 preps	116573192
MagBeads FastRNA® Kit for Virus	Animal Tissues, Bodily Fluids and Cell Culture Supernatant	50 preps	116578050
MagBeads FastRNA® Kit for Blood	Blood	50 preps	116586050

Product Showcase



MagBeads FastRNA® Kit for Virus

- ▶ **Simple and reliable:** Isolation of viral RNA from cell-free/low-cell content biological samples such as body fluids, serum, and plasma, as well as culture supernatant.
- ▶ **Flexible:** Manual workflow or easily adaptable to automated platforms.
- ▶ **High-quality:** Viral RNA is suitable for a variety of downstream applications.
- ▶ **Environmentally friendly:** No toxic chemicals.



Magnetic Beads



DNA, RNA & Protein Coextraction Kits

Coextraction DNA & RNA Extraction Kits

Name	Sample Type	Pack Size	Cat No.
SPINeasy® DNA/RNA Kit for Soil	Soil	50 preps	116554050
SPINeasy® DNA/RNA Kit for Feces	Feces	50 preps	116555050
SPINeasy® DNA/RNA Kit for Blood	Blood	50 preps	116582050

Product Highlight



SPINeasy® DNA/RNA Kit for Soil

- ▶ **User-friendly:** Simple procedure for simultaneous extraction of DNA and RNA.
- ▶ **Effective and versatile:** Isolates high yields of DNA and RNA from high biomass, high contaminant, and low biomass soil samples.
- ▶ **Robust:** High reproducibility of experimental results.



! Silica spin columns

● Lysing Matrix YB

Coextraction DNA, RNA & Proteins Extraction Kit

Name	Sample Type	Pack Size	Cat No.
SPINeasy® DNA/RNA/Protein All In One Kit	Animal Tissues and Cells	50 preps	116544050

Product Highlight



SPINeasy® DNA/RNA/Protein All-In-One

- ▶ **Rapid:** Isolate DNA/RNA/Protein from a single sample in one hour.
- ▶ **Efficient:** Lysis of any resistant sample with Lysing Matrix A tubes.
- ▶ **Convenient:** Easy-to-use silica spin column method for the DNA and RNA extraction process.
- ▶ **High-quality:** DNA, RNA, and proteins are suitable for a variety of downstream applications.
- ▶ **Environmentally friendly:** No toxic chemicals.



! Silica Spin Columns

● Lysing Matrix A



Nucleic Acid Automated Purification



MPPure-32™

Step Away from the Norm and Experience the Difference in Nucleic Acid Purification

Cat. N°: 07EMC043D, MPPure-32™ aNAP System*

- ▶ **Superior purity:** Over 95% magnetic bead recovery. No cross-contamination risk.
- ▶ **Very flexible:** Store up to 100 customized extraction protocols.
- ▶ **Safe:** UV sterilization lamps to avoid aerosol pollution from different batches.

* RUO Research Use only. IVDR version also available.



Plastic consumables and ready-to-use kit
are available on the website:

<https://www.mpbio.com/eu/mppure-32-anap-system-07emc043-1>



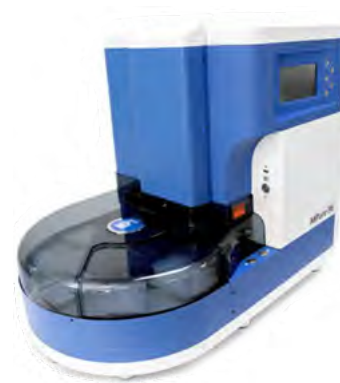
MPPure-96™

Step Away from the Norm and Experience the Difference in Nucleic Acid Purification

Cat. N°: 07EMC044D, MPPure-96™ aNAP System*

- ▶ **Easy-to-use:** Intuitive user interface and easy menu navigation.
- ▶ **Highly flexible:** Customize your own protocols for any specific application or experimental requirements.
- ▶ **Time saving:** High-throughput simultaneous processing of up to 96 samples.
- ▶ **Fully automated:** Flexibility in samples per run: 6 to 96. Simultaneous sample processing and purification of nucleic acid. Enable automation of your complicated manual steps.

* RUO Research Use only. IVDR version also available.



Plastic consumables and ready-to-use kits
are available on the website:

<https://www.mpbio.com/eu/mppure-96-anap-system-ruo-07emc044d>



Nucleic Acid Extraction Reagents

Phenol/Chloroform

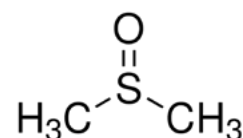
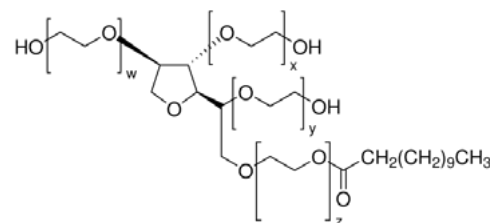
A wide range of products for DNA/RNA extraction.

Description	Pack Size	Cat No.
AquaPhenol™ (Water Saturated Solution with pH Maker)	250 mL	11AQUAPH01
Ready-Red™ (Chloroform Colored Solution)	250 mL	11RYRED001
Chloroform, Molecular Biology Reagent ≥ 99%	100 mL	0219400280
	500 mL	0219400290



Other Reagents for DNA Extraction

Description	Pack Size	Cat No.
Proteinase K, Molecular Biology Reagent, >30 mAnson U/mg	500 mg	0219398190
Mineral Oil, Molecular Biology Reagent	500 mL	0219483690
Dimethyl Sulfoxide, Molecular Biology Reagent	100 mL	0219481980
Tween® 20, Molecular Biology Reagent	500 mL	11TWEEN201
Cesium Chloride, Ultra-Pure	100 g	04813061
	500 g	04813063



RNAintact™ - Stabilization Solution

RNAintact™ Stabilization Solution is an aqueous sample storage reagent that stabilizes and preserves RNA in samples for an extended period at wide range of storage conditions (up to 37 °C and suitable for freezing temperature storage up to - 80 °C).

Description	Pack Size	Cat No.
RNAintact™ Stabilization Solution	50 mL	11RINTA050
	100 mL	11RINTA100
	50 x 1.5 mL	11RINTA005





PCR

○ End-Point PCR Enzyme, Mastermix and Kits

Taq DNA Polymerase

Taq-&GO Mastermix

Taq CORE Kits

○ dNTP Mixes

○ T4 Bacteriophage Gene 32 protein (T4 gp32)

○ Water (DNase, RNase-FREE)



End-Point PCR Enzyme, Mastermix and Kits

Taq DNA Polymerase

Recombinant form of the thermostable DNA polymerase from *Thermus aquaticus*, expressed in *E. coli*. The enzyme is highly purified and is free of nonspecific endo- or exonucleases.

- Highest performance and reliability.
- Highly processive.

Buffer/Reagents	Taq DNA Polymerase concentration	Pack Size	Cat. No.
10 x Standard Buffer with Mg 10 x Standard Buffer w/o Mg 25 mM MgCl ₂	5 U/μL	1 x 250 U	11EPTQA025
		3 x 250 U	11EPTQA325
		10 x 250 U	11EPTQA925
		1 x 1000 U	11EPTQA100
		5 x 1000 U	11EPTQA105

Taq-&GO™ Mastermix

Ready-to-use PCR Mastermix

Taq-&GO™ is an optimized reaction mix for PCR containing high-quality Taq DNA polymerase, ultra-pure dNTPs and incubation buffer with magnesium chloride.

Simply add 10 μL of Taq-&GO™ to a 40 μL template-primers solution...and GO!

Buffer/Reagents	Pack Size	Pack Size	Cat. No.
Taq-&GO™ Mastermix	1 mL	100 reactions of 50 μL	11EPTAG100
	10 x 1 mL	1000 reactions of 50 μL	11EPTAG110

Taq CORE Kits

Taq DNA Polymerase and dNTPs in one kit.

Taq CORE kits contain all the reagents (presented as separate items) required for PCR:

- High quality recombinant Taq DNA polymerase.
- High purity dNTPs Mix at either 10 mM or 25 mM of each dNTP.
- Optimized incubation buffers with/without Mg.
- Separate MgCl₂ solution.



CORE Kit Components	Cat. No.		
	Pack Size	With dNTPs 10 mM each	With dNTPs 25 mM each
Taq DNA Polymerase 5 U/μL 10 x Standard Buffer with Mg 10 x Standard Buffer w/o Mg 25 mM MgCl ₂ , dNTPs mix	10 x 250 U	11EPTQK109	11EPTQK259



dNTP Mixes

dNTP Mix: Ready-to-use solutions of dATP, dCTP, dGTP, dTTP

Avoid pipetting errors and cross-contamination using ready-to-use dNTP Mix. Optimized dNTP Mix includes dATP, dCTP, dGTP, dTTP in an aqueous solution neutralized to pH 7.0, guaranteeing stability for 24 months when stored at – 20 °C.

Description	Pack Size	Cat No.
dNTP Mix 10 mM each	5 µmoles - 500 µL	11NTPMX100
dNTP Mix 25 mM each	5 µmoles - 200 µL	11NTPMX250



T4 Bacteriophage Gene 32 Protein (T4 gp32)

T4 bacteriophage gene 32 protein (T4 gp32) is a specific single-stranded DNA binding-protein encoded by gene 32 of bacteriophage T4. T4 gp32 is used to improve:

- Yields of long PCR products catalysed by Taq DNA Polymerase.
- Amplification efficiency in low purity DNA.
- DNA Polymerase proofreading.
- Restriction enzyme digestion.
- DNA sequencing using the Sanger method.
- Stabilizing of DNA single-stranded regions for site-directed mutagenesis.



Description	Pack Size	Cat No.
T4 gp32 Protein	500 µg in 100 µL	11TGP32500



Water (DNase, RNase-FREE)

Designed for critical applications where DNase and RNase contamination can be serious problems!

Deionized water treated with 0.001% diethylpyrocarbonate (DEPC). Filtered through 0.2-micron filter and autoclaved to yield a sterile solution completely free of detectable DNase (both exo and endo) and RNase.

Description	Pack Size	Cat No.
Water (DNase, RNase-FREE)	500 mL	04821739
	1 L	04821915
	2 L	04821731





CELL CULTURE

Bacteria

- LB Medium
- CIRCLEGROW® Medium
- Terrific Broth II

Yeast

- Zymolyase
- Growth Media for Yeast

Animal & Human

- Antibiotics
- Separate Cell Blood Samples
- Cell Contamination

Cell Culture Reagents

- PBS Tablets
- Sera
- FastGro™
- BSA – Albumin Bovine
- Bovine Proteins from New Zealand
- Gelling Agents
- Accutase Cell Detachment Solution
- Paraformaldehyde
- Trehalose Dihydrate
- Cryopreservation
- Additional Reagents

Plant

- PlantCon™



Bacteria

LB Medium

LB broth is the most widely used medium for the growth of bacteria. MP Biomedicals offers LB media in a variety of formats for convenience and ease-of-use.

LB Medium	
Use 25 grams per liter. Contents/liter: 10 g tryptone, 5 g yeast extract, 10 g NaCl	
Cat. No.	Pack Size
Powder	
113002022	454 g
113002032	1 kg



CIRCLEGROW® Medium

Perfect for overnight or weekend cultures, CIRCLEGROW® Medium is a super-rich bacterial growth medium that produces up to three times more plasmid DNA than traditional growth medium.

CIRCLEGROW® Medium consists of a protein and amino acid source, biological buffer, and a complex carbon source that gets metabolized at a much slower rate than glucose, thus prolonging the cell cycle and preventing cell death during the log phase of growth.

Cells grown with CIRCLEGROW® Medium remain healthy for more than two days and continue to divide slowly after the log phase of the growth has been completed.

CIRCLEGROW® Broth	
Use 40 grams (40 capsules) per liter.	
Cat. No.	Pack Size
113000112	227 g
113000122	454 g
113000132	908 g
113000142	2.3 g



Terrific Broth II

Terrific Broth II is a proprietary formulation that is shipped as a single powder instead of two separate components. Terrific Broth II exhibits the same growth characteristics as the original Terrific Broth formula.

Terrific Broth II	
Cat. No.	Pack Size
113046022	454 g
113046032	1 kg
113046042	5 kg





Yeast

Zymolyase

Lyse living yeast cell wall with ease!

Zymolyase is used to lyse living yeast cell walls to produce protoplast or spheroplast of various strains of yeast cells.

- Efficient lysis.
- Lot-to-lot conformity.
- High reproducibility.
- Validated by more than 2,400 citations.

Description	Pack Size	Cat. No.
Zymolyase 20T, from <i>Arthrobacter Luteus</i>	1 g	08320921
Zymolyase 100T, from <i>Arthrobacter Luteus</i>	250 mg	08320932
	500 mg	08320931

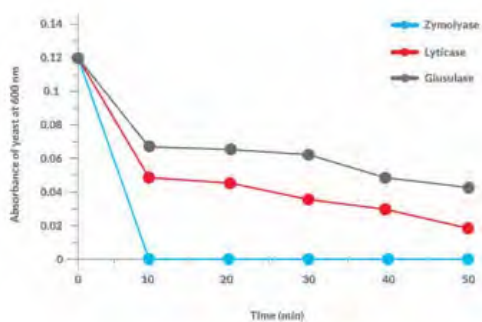


Figure 1. Comparison of *Saccharomyces cerevisiae* lysis using Zymolyase, Lyticase and Glusulase at 300 U/mL. The rate of decreasing absorbance at 600 nm at various time-points indicates the rate of enzyme activity. Zymolyase outperforms Lyticase and Glusulase at 300 U/mL.

Growth Media for Yeast

YPD (YEPD) Broth

Use 50 grams per liter. Contents/liter: 20 g peptone, 10 g yeast extract, 20 g dextrose pH 6.5 at 30 °C.

Cat. No.	Pack Size
114001022	454 g
114001032	1 kg
114001042	5 kg



YPD (YEPD) Agar

Use 67 grams per liter. Contents/liter: YPD, 17 g agar.

Cat. No.	Pack Size
114001232	1 kg





Antibiotics

It was not until the early 20th century that Alexander Fleming noticed that a number of disease causing bacteria were killed by a fungus of the genus *Penicillium*. He named this compound penicillin, and, with this discovery, the modern era of powerful antibiotics began.

Having a variety of antibiotics available for research provides today's scientists with a myriad of options for eliminating bacterial contamination, modifying proteins, DNA and RNA, and investigating possible new cancer drugs.

We currently offer more than 200 high-purity antibiotics for all your antibacterial research applications. Whether you require an antibiotic as a cell culture additive to prevent contamination, as a cancer research tool, for proteomics studies, or to manipulate DNA/RNA fragments, MP Biomedicals has a solution.

If you are looking for an antibiotic not listed here, be sure to check our web site, www.mpbio.com, where you will find hundreds of additional antibiotics.

Description	Pack Size	Cat. No.
Powder		
Ampicillin Sodium Salt	5 g	0219014805
	25 g	0219014825
Ampicillin Sodium Salt, Cell Culture Reagent	5 g	0219452605
Blasticidin S. Hydrochloride	50 mg	0215047750
Carbenicillin Disodium Salt	5 g	0219509205
Cefazolin Sodium Salt	1 g	0215494691
Chloramphenicol	5 g	0219032105
	25 g	0219032125
Chymostatin	5 mg	0215284505
Clindamycin Hydrochloride	100 mg	0219116880
Colistin Sulfate Salt	1 g	0219415791
Doxycycline Hydrochloride	1 g	0219504401
	5 g	0219504405
	10 g	0219504410
Ionomycin Calcium Salt	1 mg	0215507001
Ionomycin Free Acid	1 mg	0215961101
Kanamycin Monosulfate	5 g	0215002905
	25 g	0215002925
Mitomycin C, Cell Culture Reagent	2 mg	0219453202
Piperacillin Sodium Salt	10 g	0215626810
Vancomycin Hydrochloride	1 g	0219554001
Solution and Mix		
Amphotericin-B (250 µg/mL)	20 mL	091672346
	50 mL	091672346
Penicillin-streptomycin (10000 IU/mL, 10 mg/mL)	100 mL	091670049
Penicillin-streptomycin-amphotericin	100 mL	091674049
G418 Sulfate Solution	20 mL	091672546
Gentamicin Sulfate, 50 mg/mL	10 mL	091676245



Animal & Human

Separate Cell Blood Samples

Lymphocyte Separation Medium (LSM)

Get Peace of Mind in Cell Separation.

MP Biomedicals offers the highest quality in multiple size packs.

- Now in NEW plastic bottle.
 - Unbreakable.
 - Light weight.
 - Single-piece, self-sealing cap eliminates contamination.
- Ready-to-use formulation.
- One-step centrifugation.
- Maximum lymphocyte yield.



Description	Pack Size	Cat. No.
Lymphocyte Separation Medium - LSM™	100 mL	0850494X
	5 x 100 mL	0850494
LymphoSep™ - Lymphocyte Separation Medium	100 mL	091692249
	500 mL	091692254

MonoPoly® Resolving Medium

MonoPoly® Resolving Medium separates mononuclear and polymorphonuclear leukocytes from whole human blood in two distinct bands. MonoPoly® is highly versatile and can be used for a variety of research and clinical applications such as histocompatibility testing, lymphocyte studies, *in-vitro* cell mediated immunity assays, or any procedure requiring pure white blood cell preparation.

It is the only Ficoll®-Hypaque medium which provides:

- Separation of mononuclear and polymorphonuclear leukocytes in two distinct bands.
- Greater than 95% cell viability.
- An easy, single step procedure.
- No sample dilution requirement or lysis of red blood cells.



Description	Pack Size	Cat. No.
MonoPoly® Resolving Medium	100 mL	091698049



Animal & Human

Histopaque® 1077 (with density of 1,077 g/mL)

Histopaque® 1077 is a solution of polysaccharide (Ficoll-400) and a radiopaque contrast medium (sodium diatrizoate). Low viscosity of Ficoll® is used for lymphocyte isolation procedure involving a short, low speed centrifugation.



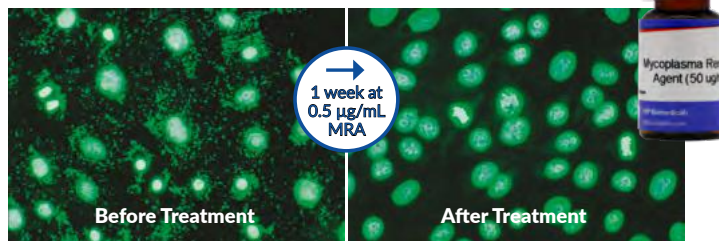
Description	Pack Size	Cat. No.
Histopaque® 1077	100 mL	0219083780

Cell Contamination

Mycoplasma Removal Agents (MRA)

Eliminate mycoplasma contamination without harming your cell lines!

- Eliminate mycoplasma species within one week.
 - Treat mycoplasma effectively at 0.5 µg/mL.
 - The lowest dosage in the market.
 - Prevent recontamination of the culture at 0.1 µg/mL.
 - Compatible with most mammalian cell lines.
- Citation and recognition in 550+ scientific publications.



Description	Pack Size	Cat. No.
Mycoplasma Removal Agent (MRA)	5 mL	093050044
Myco-Out Removal Spray	1 x 450 mL	093050853



Mycoplasma Detection

One of the major issues in dealing with mammalian cell culture is infection due to mycoplasma. The presence of mycoplasma can alter many cellular processes and cause malfunctioning of cells in proliferation, protein synthesis, DNA transfection, etc.

We offer a complete solution for mycoplasma contamination in cell culture, from prevention, rapid detection (20 min) and sensitive detection (10 CFU/mL) to effective removal (fast and low cytotoxicity).

- Fast detection speed.
- Wide detection range of mycoplasma species.
- Premixed components for ease-of-use.
- High sensitivity.

	Myco-Sniff-Rapid Mycoplasma Luciferase Detection Kit	Myco-Sniff Mycoplasma PCR Detection Kit	Myco-Sniff-Valid Mycoplasma PCR Detection Kit
Method	Luciferase assay	PCR	PCR
Time	20 min	3 hours	3 hours
Sensitivity (CFU/mL)	High (50)	Very High (20)	Very High (10)
Specificity	High	Very High	Very High

Table 1. Comparison of various mycoplasma detection methods

Description	Pack Size	Cat. No.
Myco-Sniff-Rapid™ Mycoplasma Luciferase Detection Kit	25 Tests	093050401
	50 Tests	093050402
Myco-Sniff™ Mycoplasma PCR Detection Kit	48 Tests	093050201
Myco-Sniff-Valid™ Mycoplasma PCR Detection Kit	48 Tests	093050301





Myco-Visible: LAMP Detection Kit

Myco-Visible Mycoplasma LAMP detection kit is a highly sensitive, specific, and rapid assay intended for the detection of mycoplasma contaminations in cell cultures. Myco-Visible Mycoplasma LAMP detection kit achieves this by targeting and amplifying the 16S rRNA coding region of the Mycoplasma genome at loci that are well conserved in all Mollicutes, including *Acholeplasma laidlawii*, *Mycoplasma arginini*, *Mycoplasma fermentans*, *Mycoplasma hominis*, *Mycoplasma hyorhinis*, and *Mycoplasma orale*.

- ▶ **No special instrument required:** Direct detection with just a dry bath.
- ▶ **Rapid and comprehensive:** Detects Mycoplasma spp in 45 mins.
- ▶ **Sensitive:** Requires as little as 10 16S rRNA copies or 10 fg of Mycoplasma genomic DNA per reaction.
- ▶ **Easy-to-use:** Innovative colorimetric detection system – vivid color change.



Description	Pack Size	Cat. No.
Mycoplasma LAMP Detection Kit	40 preps	093050601

Myco-Visible: Mycoplasma Rapid Test Kit

The Mycoplasma Rapid Test Kit from MP Biomedicals is a highly sensitive, specific, and rapid assay for detecting mycoplasma contamination in cell cultures. The Myco-Visible Test Kit achieves this by targeting and amplifying unique regions of the mycoplasma genome at well-conserved loci across all Mollicutes species.

- ▶ **Easy to Use:** Simple to perform, requiring no special technical expertise or equipment—ideal for routine cell culture monitoring.
- ▶ **High Sensitivity:** Detects mycoplasma contamination with a sensitivity as low as 10 CFU/mL or 10 fg of genomic DNA.
- ▶ **Fast:** Provides results in under an hour, with positive detection visible in less than 5 minutes on an immunochromatographic test device.
- ▶ **Broad Detection Range:** Effectively identifies a wide range of mycoplasma species, including common ones like *Mycoplasma orale* and *Mycoplasma hyorhinis*, as well as less common species.



Description	Pack Size	Cat. No.
Myco-Visible Mycoplasma Rapid Test Kit	24 Tests	093050901



Cell Culture Reagents

PBS Tablets

Ideal for any immunoassay procedures!

Serves as an irrigating, transporting and diluting fluid while maintaining intra- and extracellular osmotic balance.

Description	Pack Size	Cat. No.
PBS Tablets	100 tabs	092810305
	200 tabs	092810306
	500 tabs	092810307



Sera

FBS – Fetal Bovine Serum

Fetal Bovine Serum (FBS) is the growth supplement of choice for cell culture due to its high level of nutrients. Most cell types and cell culture systems will benefit from the inclusion of FBS in growth media. It is produced to the highest standards to ensure product performance and safety with minimal risk and lot-to-lot variability.

The Fetal bovine serum is available from different countries and with various qualities and post- treatment.

Description	Pack Size	Cat. No.
Fetal Bovine Serum	100 mL	092910149B
	500 mL	092910154B
Fetal Bovine Serum (FBS), South American Origin, Heat Inactivated	100 mL	092910249
	500 mL	092910254



Human Serum

Human serum is the portion of blood with the cells and clotting factors removed. Human Serum is used as a growth supplement for cell culture media and in other research application.

Description	Pack Size	Cat. No.
Human Serum, Pooled	100 mL	092931149
Serum, Type AB, Human, from Male Donors	100 mL	092930949
Serum, Type AB, Human, Heat Inactivated	100 mL	092938249



Learn more:

<https://www.mpbio.com/eu/human-serum-pooled>



Cell Culture Reagents

FastGro™

FastGro™, a fully chemically defined FBS replacement for cell culture use. This unique product allows culturing a wide range of cells *in-vitro* without the use of serum or any animal or human derived compound.

- Chemically defined nature without lot-to-lot variations.
- No animal or human derived materials or compounds.
- No interference with hormones or growth factors.
- Elimination of the risk of contaminants– viruses, mycoplasma, prions, etc.
- Storage in the refrigerator, and no need for thawing before use.



Description	Pack Size	Cat. No.
FastGro™ Synthetic, Chemically Defined FBS Replacement, Animal free	100 mL	092640049
FastGro™ Synthetic, Chemically Defined FBS Replacement, Animal free	500 mL	092640054



Learn more:

<https://www.mpbio.com/eu/092640049-fastgro-synthetic-animal-free-chemically-defined-fbs-replacement-cf>

BSA – Albumin Bovine

MP Biomedical's Albumin Bovine, Fraction V, is manufactured under a specific heat shock process, with non-denaturing conditions, yielding to a BSA in its native state and providing the most stable form of BSA.

This albumin is suitable for multi-use purposes such as blocking agent in Western blots or ELISA applications, nutrient in growth media, to increase viscosity and/or protein in certain antibiotic assay media, and in the formulation of veterinary vaccines.

Available in several pack sizes from 10 g to 1 kg.

Description	Cat. No.
Albumin Bovine, Fraction V, ≥ 98%	02160069

Other grades of BSA are also available.

Description	Cat. No.
Albumin, Bovine, 35% Solution	08810061
Albumin, Bovine, 30% Solution	08810133
Albumin, Bovine, Fraction V, Reagent Grade	08810661
Albumin, Bovine, Fraction V, Protease free	08820451





Cell Culture Reagents

Bovine Proteins from New Zealand



A specialized manufacturer of high-quality biological products, MP Biomedicals New Zealand Limited has gained an international reputation in providing bovine plasma proteins to the biopharmaceutical and diagnostic industry.

New Zealand sourced raw materials and an ISO 9001 and GMP quality system aim at the highest product safety standard, endorsed by EDQM TSE Certification of Suitability. State of the art chromatographic extraction ensures high purity, intact proteins, processed without the compromising effect of traditional methods.

MP Biomedicals New Zealand has certificates of Suitability for BSA, and low activity Thrombin.

Bovine Serum Albumin (BSA)

MP Biomedicals AlbumiNZ™ BSA can be used in a wide range of applications, including biosimilars, media applications, stem cells, bacterial and viral vaccines, infectious disease research and embryo transfer.

Except for the low free fatty acid BSA, all other MP Biomedicals NZ BSA grades returned a lipid content of 35 mg/g of BSA when tested by an independent laboratory. This is 2.5x higher than the lipid content in competitor BSA produced from a chromatographic and heat shock process.

Bovine Fibrinogen

MP Biomedicals NZ manufactured Bovine Fibrinogen is 90% clottable and is supplied as a lyophilized powder.

Description	Pack Size	Cat. No.
AlbumiNZ Low Endo BSA	10, 25, 50, 100, 500 or 1000g	02199896
AlbumiNZ Low Fatty Acid BSA	10, 25, 50, 100, 500 or 1000g	02199899
AlbumiNZ Microbiological Grade BSA	10, 25, 50, 100, 500 or 1000g	02180620
AlbumiNZ Protease-reduced	10, 25, 50, 100, 500 or 1000g	02199898
Fibrinogen, Bovine - Diagnostic Grade	5, 50, 100g	0882022
Thrombin, Bovine, High Specific Activity, High Purity	5, 10, 25, 100, 500 KU	02180539



Cell Culture Reagents

Gelling Agents

Agar is a polysaccharide complex extracted by bleaching and hot water treatment of agarocytes from the red algae Rhodophyceae, and usually consisting of the genera Gelidium, Acanthopeltis, Ceramium, Pterocladia and Gracilaria. The algae are typically found in the Pacific, Indian Oceans, and in the Sea of Japan.

Description	Pack Size	Cat. No.
Agar, USP Grade	100 g	0210026280
	250 g	0210026283
	500 g	0210026290
	1 kg	0210026291



Gellan gum is recommended as a gelling agent for use in place of agar in microbiological media. Gellan gum is used in a wide variety of immobilization matrices.

Description	Pack Size	Cat. No.
Gellan Gum, Agar Substitute Gelling Agent	500 g	02180106.1
	1 kg	02180106.5
	5 kg	0218010601



Accutase Cell Detachment Solution

Accutase Cell Detachment Solution is effective in detaching primary fibroblasts, endothelial cells, neurons, tumor cells, and insect cells. This reagent is useful for creating single cell suspensions from clumped cell cultures for accurate cell counting.

Description	Pack Size	Cat. No.
Accutase Cell Detachment Solution	100 mL	091000449



Paraformaldehyde

Paraformaldehyde, 16% aqueous solution, is used as a fixative for electron microscopy, and it is recommended for use in the preparation of formalin fixatives for tissues or cells when the samples are to be used in fluorescence studies.

Description	Pack Size	Cat. No.
Paraformaldehyde, 16% Aqueous Solution	2 x 10 mL	0219998320
	10 x 10 mL	0219998380



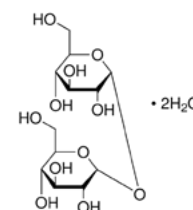


Cell Culture Reagents

Trehalose Dihydrate

Trehalose dihydrate is a natural alpha-linked non-reducing disaccharide formed by an α , α -1,1-glucoside bond between two α -glucose units. It has 90% of the calorific content of sucrose. Inhibits polyglutamine-mediated protein aggregation both *in-vivo* and *in-vitro*. Trehalose has also been used in several biopharmaceutical monoclonal antibody formulations. It is also used as a protein stabilizing agent in research. Use as a cryoprotectant in a variety of cell freezing media.

Description	Pack Size	Cat. No.
D-(+)- Trehalose Dihydrate	100 g	0210309780



Cryopreservation

Cryopres™ Dimethyl Sulfoxide (DMSO) is commonly used in cell cryopreservation, along with glycerol, to prevent damage to the cell membrane during freezing.

Description	Pack Size	Cat. No.
Cryopreservation Cryopres™	50 mL	092780148

Additional Reagents

Description	Pack Size	Cat. No.
Choline Bitartrate, Cell Culture Reagent, $\geq 98\%$	500 g	0210138490
Calcium Chloride, Dihydrate 1 kg	1 kg	0219463501
Dimethyl Sulfoxide, Cell Culture Reagent $\geq 99\%$	100 mL	0219605580
	500 mL	0219605590
Ficoll® 400 Medium for Density Gradient Centrifugation	100 g	0216000380
Phenol Red 0.5% (w/v) Solution	100 mL	091690049
Thiamphenicol	25 g	0215684625
Thioglycolic Acid Sodium Salt Bacteriological Grade, $\geq 97\%$	500 g	0210293390
Trypsin-EDTA Solution	100 mL	091689149
Chicken Embryo Extract	20 mL	092850145
Anti-human Collagen Type II, Mouse (Clone II-4CII), Purified IgG	500 μ g	08631711
DMEM	500 mL	091642954
1X MEM Earles w/o L-Glutamine	500 mL	091210254



PlantCon™

PlantCon™ - a line of presterilized, disposable, plastic growth containers. This labware has been designed to reduce the time spent preparing an *in-vitro* growth environment for plant cultures and to minimize the risk of contamination.

Instead, the PlantCon™ system permits you to start culturing plant cells and plantlets with the following advantages:

- Unbreakable.
- Safe to use, presterilized.
- Easy-to-use, clear plastic.
- Excellent light transmission, disposable.
- Eliminates messy glass cleanup, space saving.
- Stackable, manufactured under strict quality control procedures, scientifically designed for plant cell culture, special cover positioning.
- Special lugs in the cover lip allow the user to snap on the cover tight for handling or loose for free exchange of atmospheres.

Description	Pack Size	Cat. No.
Plantcon™ Plant Tissue Culture (Sterilized)	10/pk	092672202
	200/pk	092672206





IMMUNOLOGY



Polyclonal Antibodies for Immunoassay



Monoclonal Antibodies

MP Biomedicals is a global leader in providing innovative immunological tools with the best quality, flexibility, and customization to accelerate your research. Antibodies have become critical tools for many areas of life science research, primarily for their use as molecular tags for specific labeling, separation, and detection. Our antibodies and other reagents have been recommended for use in most assays including western blot, immunoprecipitation, immunostaining, and flow cytometry. In addition to primary antibodies, we also offer a wide variety of secondary antibodies, control immunoglobulins, and control sera.



Polyclonal Antibodies for Immunoassay

Description	Cat. No.	Conjugate	Host	Size
IgM, Human, Purified	0855916	NO	Human	5 mg
IgG, Human Purified (98%)	0855908	NO	Human	10 g
IgA, Human Serum, Purified	0855906	NO	Human	5 mg
IgG (no IgM, no IgA) Human	0855836	NO	Human	10 mg
IgG (WM), Anti Rabbit	0855676	HRP	Goat	2 mL
IgG (WM), Anti Mouse (no cross to Rat)	0855503	FITC	Goat	2 mL
Anti-mouse Immunoglobulins (IgG, IgA, IgM)	0855499	FITC	Goat	2 mL



Polyclonal Antibodies for Immunoassay

- Peroxidase-conjugated goat IgG fraction to rabbit IgG (whole molecule) product is suitable for use as a reagent in EIA, cell and tissue staining, cell and tissue labeling, and blot immunostaining.
- Fluorescein-conjugated goat anti mouse IgG is used in immunoassays, immunohistochemistry, immunofluorescence assays, and flow cytometry.
- Purified Human IgG is suitable for use as a positive control in antibody identification screening techniques and is recommended as an ELISA coating antigen and control.



Monoclonal Antibodies

MP Biomedicals offers highly validated recombinant monoclonal antibodies against biomarkers and other popular targets for biomedical research and bioprocessing.

Antibodies to cytoskeletal proteins are widely used for protein loading controls or specific studies such as apoptosis. Our anti-tubulin monoclonal antibodies enable researchers to visualize microtubules in fixed cells and in fixed or frozen tissue sections from various species.

Description	Pack Size	Cat. No.
Anti-human Collagen type II, Mouse (Clone II-4CII) Purified IgG	100 µg	08631711
Anti-human Hemoglobin Monoclonal Antibody from Mouse, 0.5 mg	0.5 mg	08634801
Anti-chondroitin-4-sulfate Mouse Monoclonal Antibody	100 µL	08636511
Anti-glial Fibrillary Acidic Protein (GFAP) Mouse Monoclonal Antibody	50 µl	08691101
Anti-actin Mouse Monoclonal Antibody, Clone C4	100 µL	08691001
Mouse anti-GFP Monoclonal Antibody, Clone 3E6, with BSA	100 µg	08687401



Learn more:
Explore our Comprehensive Immunology Portfolio

https://www.mpbio.com/media/document/file/brochure/dest/i/m/m/u/n/Immuno_Cell_Bio_Brochure_MP_Biomedicals.pdf



BIOCHEMICALS

○ Buffers

- Trypan Blue
- Urea Ultra-Pure
- Tris Ultra-Pure
- Potassium Phosphate
- Glycine
- Other Buffers

○ Electrophoresis

- Agaroses
- Electrophoresis Reagents

○ Surfactants

○ Dextran Based Products

- Premium Dextran Sulfate Sodium Salt (DSS) - Colitis Grade
- Other Dextran Products

○ Cleaning Solutions

- 7X™ Ready-to-Use Formulation
- Surface Cleaners for Molecular Biology



Buffers

Trypan Blue

Trypan Blue is used in dye exclusion procedures for viable cell counting. The dye permeates into the dead cells, leaving the viable cells uncolored.

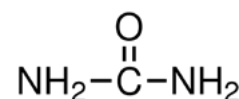
Description	Pack Size	Cat. No.
Trypan Blue, 0.4% Solution in PBS	100 mL	091691049



Urea Ultra-Pure

Urea Ultra-Pure is a mild agent usually used in the solubilization and denaturation of proteins. The proteins unfold and separate into their constituent poly peptide chains. It is commonly used to solubilize and denature proteins for denaturing isoelectric focusing and two-dimensional electrophoresis and in acetic acid-urea PAGE gels. Urea is used in cell or tissue culture media to increase osmolality.

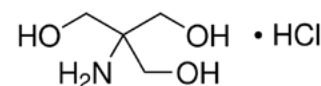
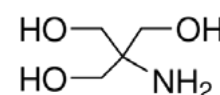
Description	Pack Size	Cat. No.
Urea Ultra-Pure	1 lb	04821519
	5 lb	04821527
	1 kg	04821528
	5 kg	04821530



Tris Ultra-Pure

Tris is extensively used as buffers in a wide variety of biological systems. Tris is used in pH control *in-vitro* and *in-vivo* for body fluids and in buffering systems for electrophoresis applications. It is a component of TAE and TBE.

Description	Pack Size	Cat. No.
Tris Ultra-Pure	500 g	04819620
	1 kg	04819623
	5 kg	04819638
Tris HCl, Ultra-Pure	100 g	04816116
	500 g	04816124
	1 kg	04816100



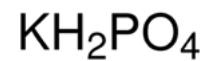


Buffers

Potassium Phosphate

Potassium phosphate is widely used in molecular biology, biochemistry, and chromatography. It is typically used as a component for a wide variety of media used in the culture of microorganisms, also as a component in phosphate buffered saline (PBS). In addition to helping maintain pH, it supplies essential phosphate.

Description	Pack Size	Cat. No.
Potassium Phosphate Monobasic	1 kg	0219143001
Potassium Phosphate Dibasic	1 kg	0219143101
Potassium Phosphate Dibasic Trihydrate	1 kg	0219143201

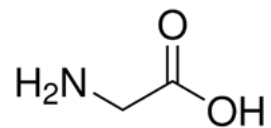


Also available in 500 g and 5 kg.

Glycine

Glycine is commonly used in buffer solutions, in electrophoresis and preparative chromatography, such as in the purification of lipopolysaccharides, lipooligosaccharides, and lipid A. It is an amino acid for use in cell culture media development applications and existing media formulations. Glycine is also used as a component in Tris-glycine and Tris-glycine-SDS running buffers for polyacrylamide gel electrophoresis, a component of Towbin's transfer buffer for Western blots, a buffer substance in cryoenzymology, in osmotic pressure maintenance in isoelectric focusing of erythrocytes, salting-in effect in protein chemistry, and as a buffer component in the coupled phosphatase-kinase reaction for end labelling of restriction fragments.

Description	Pack Size	Cat. No.
Glycine > 99.5%	1 kg	04808822
	5 kg	04808831

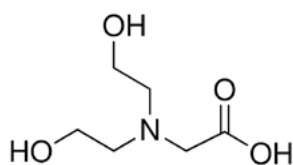




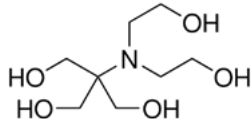
Buffers

Other Buffers

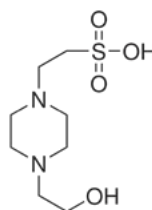
Description	Pack Size	Cat. No.
Bicine	25 g	0210100525
	100 g	0210100580
	250 g	0210100583
Bis-Tris	100 g	0210103880
	1 kg	0210103891
1X HBS w/o Calcium, Magnesium	500 mL	091810454
1X HBS w/o Calcium, Magnesium, Phenol Red	500 mL	091810554
HEPES, Free Acid	100 g	0210192680
	500 g	0210192690
	1 kg	0210192691
MOPS, Free Acid, Molecular Biology Reagent	100 g	0219483780
	500 g	0219483790
10X PBS	1 L	11PBS10X02
20% SDS Solution	1 L	11SDS20002
Sodium Citrate, ACS Reagent Grade	500 g	0219486890
Sodium Phosphate Dibasic (Na ₂ HPO ₄), ACS Reagent Grade	500 g	02191440.5
20X SSC Buffer	500 mL	11RIST2050
SSC Solution 20X	5 L	11SSC20X01
50X TAE Buffer	1 L	11TAE50X01
10X TBE Buffer	1 L	11TBE10X02



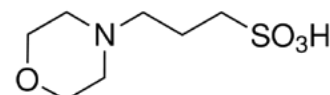
Bicine



Bis-Tris



HEPES



MOPS



Electrophoresis

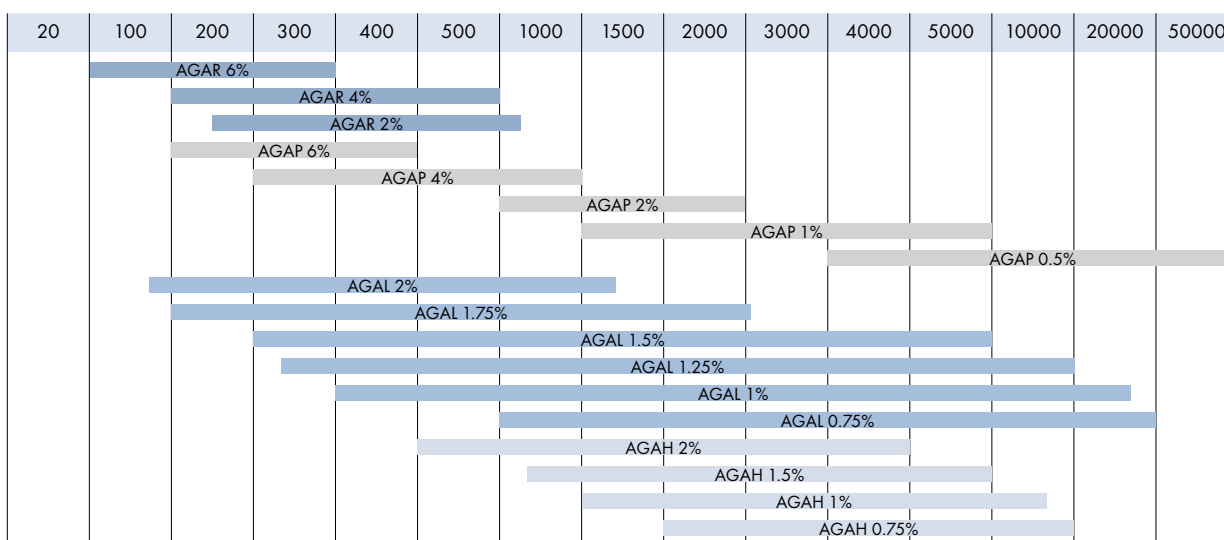
Electrophoresis is a laboratory technique used to separate macro-molecules, typically nucleic acids, based on their size and electrical charge.

Agaroses

Agarose gels are used in immunoelectrophoresis (IEP), they have larger pore sizes than cross linked acrylamide gels at low concentration, agarose is very useful in separation of nucleic acids electrophoretically.

Description	Pack Size	Cat. No.
Agarose Molecular Biology Grade	100 g	11AGAH0100
	500 g	11AGAH0500
Agarose Low Melting Point	50 g	11AGAL0050
Agarose Multipurpose	100 g	11AGAP0100
	3 x 100 g	11AGAP0300
Agarose High Resolution	50 g	11AGAR0050

Separation Range for MP Agaroses

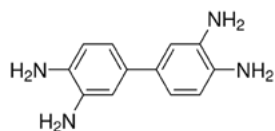




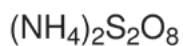
Electrophoresis

Electrophoresis Reagents

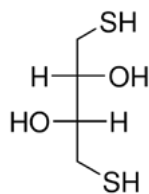
Description	Pack Size	Cat. No.
Ammonium Persulfate	25 g	04802811
	100 g	04802829
Ammonium Sulfate, Ultra-Pure	1 kg	04808211
Casein, Hammarsten Grade	1 lb	0210128901
Coomassie® Brilliant Blue G-250	10 g	04808274
3,3'-diaminobenzidine (DAB)	100 tabs	08980681
DTT, Electrophoresis Grade	5 g	04856126
DTT > 99%	100 g	0210059780
EDTA	500 g	04800682
	1 kg	04800683
Glycerol, Ultra-Pure	500 mL	04800687
	1 L	04800688
	4 L	04800689
Guanidine Hydrochloride, Ultra-Pure	500 g	0210569690
	1 kg	0210569691
2-Mercaptoethanol	25 mL	0219483425
Ponceau S	10 g	0219064410
Sodium Dodecyl Sulfate, Ultra-Pure	500 g	04811032
	1 kg	04811030
Sodium Dodecyl Sulfate, 20% Solution	500 mL	0219895790
40% (w/v) Acrylamide-bis-acryl 29:1 Solution	1 L	11BIAC2902



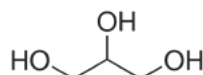
Diaminobenzidine
Tetrahydrochloride



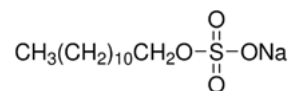
Ammonium
Persulfate



Dithiothreitol



Glycerol



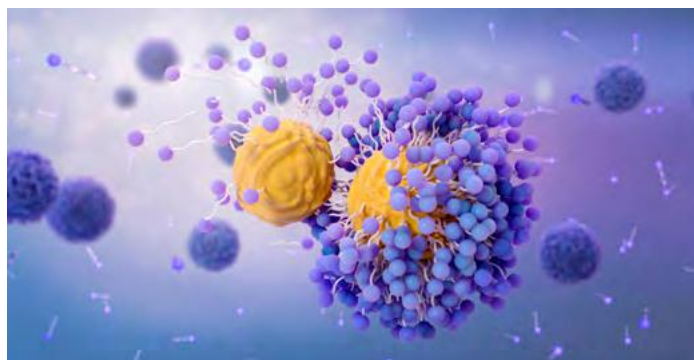
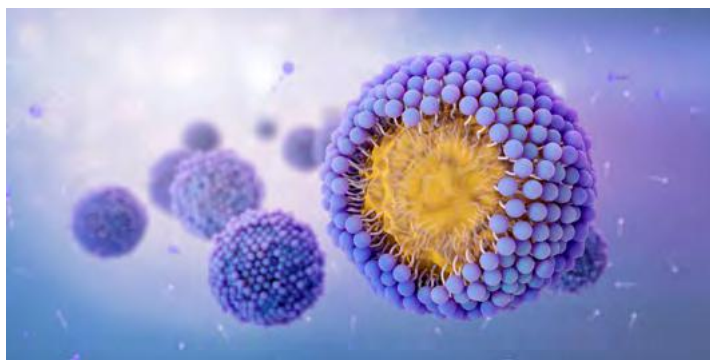
Sodium Dodecyl Sulfate,
Ultra-Pure



Surfactants

Surfactants are widely utilized in biochemistry, cell biology and molecular biology research. They are commonly used for cell lysis, solubilization of membrane proteins, protein purification and electrophoresis applications.

Description	Pack Size	Cat. No.
Lecithin, from Soybean	250 g	0210214783
	500 g	0210214790
Igelpal® CA-630 (Viscous Liquid)	100 mL	0219859680
Polysorbate 20	500 mL	0210316890
	1 L	0210306891
Polysorbate 20, Cell Culture Reagent	500 mL	02194724.5
	4 L	0219472404
Polysorbate 20, Molecular Biology Reagent	100 mL	0219484180
TWEEN® 80, Cell Culture Reagent	100 mL	02194725.1
Cetyltrimethylammonium Bromide	100 g	0219502980
	500 g	0219502990
Benzalkonium Chloride, 80% Solution	250 g	0215043083
	1 kg	0215043091
Saponin	25 g	0210285525





Dextran Based Products

Dextran a branched polysaccharide made up of linear α (1→6) linked glucose units and α (1→3) link initiated branches; it ranges in size from 10,000 to 150,000 Kd. Depending upon its molecular weight it has different uses in different fields.

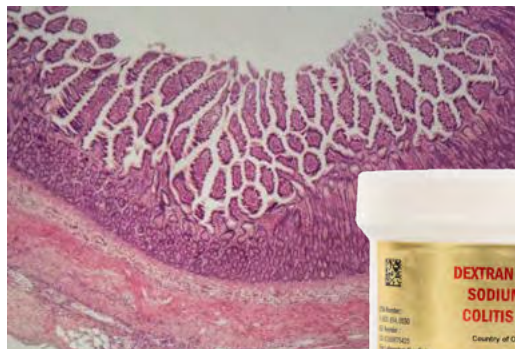
Premium Dextran Sulfate Sodium Salt (DSS) – Colitis Grade

Accelerate the research against Cancer!

Dextran sulfate is a polyanionic derivative of dextran produced by esterification of Dextran with chlorosulphonic acid. MP Premium DSS is offered at the highest quality, purity, and reproducible form which enables it for multiple applications in clinical, molecular biology, biomedical applications.

One important property of DSS is to trigger colitis in mice and rats by binding to medium-chain-length fatty acids in the colon and inducing intestinal inflammation.

Dextran sulfate sodium (DSS) is one of the most common and effective compounds used for inducing ulcerative colitis in animals. The DSS colitis model has also been used extensively to study colon cancer developing in relation to colonic inflammation, such as that occurring in patients with long-standing ulcerative colitis.





Dextran Based Products

A Gold Standard in Colitis Research

Induce inflammatory bowel disease.

- Induces severe colitis (inflammatory bowel disease).
- Highest purity (99%) and stability.
- Offers highest sulfur content (18 - 20%) < 0.2% free sulfate.
- Lowest pH (6.2 at 1% solution).
- Highest chirality (+104° of specific rotation).

Description	Pack Size	Cat. No.
Dextran Sulfate Sodium Salt, Colitis Grade (36,000 - 50,000)	50 g	0216011050
	100 g	0216011080
	500 g	0216011090



Other Dextran Products

Description	Cat. No.
Dextran, Clinical Grade (60,000 - 90,000)	02180140
Dextran Sulfate Sodium Salt (400,000 - 600,000)	02160111





Cleaning Solutions

7X™ Ready-to-Use Formulation

Cleaning labware has never been so easy!

Researchers have trusted 7X™ Detergents to clean labware for years. Now 7X™ is ready-to-use right from the bottle — Just pump and go!

Description	Pack Size	Cat. No.
7X™ Ready-to-Use (see product page)	1 gal (4,546 L)	097668093
ES 7X Liquid Concentrate	1 gal (4,546 L)	097667193
7X™ Concentrate	1 gal (4,546 L)	097667093

Cleaning Applications	7X™	ES 7X™
Cell Culture/Culture Media Breweries	X	X
Ceramic	X	X
Glass	X	X
Machine/Sprayers (Low or Controlled Foaming)		
Metal Equipment	X	X
Phosphate Analysis Equipment		X
Plastic	X	X
Porcelain	X	X
Quartz	X	X
Stainless Steel (Process Equipment)	X	X



Surface Cleaners for Molecular Biology

DNA-Erase™

A cleaning solution for removing DNA contamination and eliminating PCR artifacts from all laboratory surfaces, including benchtops, apparatus and pipettors.

RNase-Erase™

A novel RNase decontamination solution. Completely removes RNase contamination from glass and plastic surfaces, pipettes, and equipment that must be RNase-free.

Description	Pack Size	Cat. No.
DNA-Erase™	500 mL	04821805
RNase Erase™ Spray Bottle	250 mL	04821682





Cleaning Solutions

LabCare Cleaning and Disinfection Solution



- ▶ **Dual Antibacterial Action:** Combines quaternary ammonium salts and isothiazolinones for broad-spectrum, highly effective microbial control with minimal resistance risk.
- ▶ **Efficient & Eco-friendly:** Fast-acting, stable, non-corrosive, low-toxicity, and safe for the environment; compatible with a wide pH range.
- ▶ **For Spray Application:** Apply to incubators, safety cabinets, and equipment to eliminate and inhibit bacteria, fungi, and microorganisms for 7–10 days.
- ▶ **For Diluted Solution:** Effective at 1:500 dilution, providing 7–10 days of microbial inhibition, with re-treatment extending efficacy.

Ensure safe and effective contamination control.

Applications	Common Contaminants	Frequency	Name	Cat. No.
Workbench Pipette	DNA/RNA Mycoplasma, Chemical Residue	As Needed	Myco-Out Mycoplasma Removal Spray	093050853
			LabCare Cell Culture Room Antimicrobial Spray	093051049
BSC, Cell Culture Room	Mycoplasma, Bacteria, Airborne Particles, Bones, Viruses	Weekly to Monthly	Myco-Out Mycoplasma Removal Spray	093050853
			LabCare Cell Culture Room Antimicrobial Spray	093051049
Incubator	Mycoplasma, Fungi, Bacteria, Mold, Algae	Weekly	LabCare Incubator Antimicrobial Spray	093051049
Water Bath	Mycoplasma, Fungi, Bacteria, Mold, Algae	Every 2 Weeks	LabCare Water Bath Disinfectant Solution	093051349
Incubator Water Pan	Mycoplasma, Fungi, Bacteria, Mold, Algae	Every 10 Days	LabCare Incubator Water Disinfectant Solution	093051249

Product Showcase



LabCare Cell Culture Room Antimicrobial Spray

LabCare Cell Culture Room Antimicrobial Spray, is a fast-acting, ethanol-based disinfectant that eliminates bacteria, fungi, and mycoplasma. It is residue-free, non-corrosive, and safe for lab surfaces like incubators and biosafety cabinets, ensuring a sterile cell culture environment.





Cleaning Solutions

Nuc-Off Nucleases Removal Spray



- ▶ **Highly Effective:** Optimal solution for eliminating DNases and RNases enzymes and eradicating unwanted DNA and RNA molecules from various laboratory surfaces.
- ▶ **Safe to Use:** Non-toxic and a safer alternative to DEPC in certain applications.
- ▶ **Easy to Use:** Simply spray directly onto the surface, wait 5 minutes, and wipe with a clean tissue. Suitable for various lab equipment including pipettors, thermocyclers, centrifuges, benches, and tube racks. Compatible with glassware, plastics, latex, stainless steel, and more.

Nuc-off Sprays are effective, ready-to-use solutions designed to remove DNase, RNase, and nucleic acids without compromising the stability of DNA and RNA. A small amount of residual product will not affect subsequent experimental results, making it a reliable choice for sensitive applications. These sprays are non-toxic, non-corrosive, and non-irritating, providing a safe alternative to DEPC. Their safety profile makes them suitable for various laboratory environments and applications.

Product Showcase



Nuc-Off Nucleases & DNA Removal Spray



RNase, DNase and DNA

Application:

Inhibits degradation of DNA & RNA in samples, prevents DNA contamination. For qPCR experiments.



Applications	Function	Name	Cat. No.
Prevents Degradation of DNA and RNA in Samples. For DNA and RNA Experiments.	Removes RNase, and DNase	Nuc-Off Nucleases Removal Spray	112460451
Inhibits Degradation of DNA & RNA in Samples, Prevents DNA Contamination. For qPCR Experiments.	Removes RNase, DNase, and DNA	Nuc-Off Nucleases and DNA Removal Spray	112461451
Inhibits Degradation of DNA and RNA in Sample, Prevents DNA & RNA Contamination. For qPCR and other DNA & RNA Experiments	Removes RNase, DNase, RNA, and DNA	Nuc-Off Nucleases and Nucleic Acid Removal Spray	112462451



FOOD QUALITY

- SafTest™ Platform
- SafTest™ Kits



SafTest™ Platform

Rapid Analysis of Fat Quality and Content.

Fat quality and content are used as key indicators of overall quality, consistency and freshness in a variety of matrices. Designed for simplicity and speed, the SafTest™ system from MP Biomedicals is a proven and reliable solution for your testing needs.

- Simple, easy-to-use photometric analyzer.
- Non-toxic, cost-effective, and time-saving method for testing samples.
- Hands on technical support.





SafTest™ Platform

Sample Type	Description	Cat. No.
Liquid Sample	Liquid Sample Instrumentation Platform for Free Fatty Acid, Malonaldehyde, Percent Fat, and Total Glycerin	07LI2000
	Liquid Sample Instrumentation Platform for Peroxide and Alkenal	07LI2020
	Liquid Sample Consumables Platform for all Kits	07LC2000
Solid Sample	Solid Sample Instrumentation Platform for Free Fatty Acid, Malonaldehyde, Percent Fat, and Total Glycerin	07SI2000
	Solid Sample Instrumentation Platform for Peroxide and Alkenal	07SI2020
	Solid Sample Consumables Platform for all kits	07SC2000



SafTest™ Kits

MP SafTest™ Kits offer distinct advantages for quality testing, including:

- Quick results, typically 10 - 30 minutes, compared to traditional methods.
- Kits include all reagents, calibrators, and controls required for 110 - 120 tests.

Description	Pack Size	Cat. No.
Peroxide Test Kit	110 - 120 tests	07KTPR2000
Free Fatty Acid Test Kit	110 - 120 tests	07KTFA2000
Malonaldehyde Test Kit	110 - 120 tests	07KTMA2000
Alkenal Test Kit	110 - 120 tests	07KTAK2000
Percent Fat Test Kit	110 - 120 tests	07KTPF2000
Total Glycerin Test Kit	110 - 120 tests	07KTTG2000





ANIMAL RESEARCH DIETS



Vitamin Mixes

Mineral Mixes

Common Formulations Ingredients

Customized Animal Research Diets Delivered Fresh to Your Lab!

MP Biomedicals has over five decades of experience in customized animal research diets and more than 15,000 successful custom formulations. We specialize in mineral and vitamin deficient diets. Upon request, we can easily change any combination of components in our existing diets or design a custom diet to your exact specifications.

To ensure freshness, all diets are formulated upon receipt of order—no diets are kept in stock, so they are always fresh.



Vitamin Mixes

Description	Cat. No.
AIN 76 Vitamin Mix	02905454
AIN 93 Vitamin Mix	02960402
Vitamin Diet Fortification Mix	02904654
Vanderzant Vitamin Mix	02903244





Mineral Mixes

Description	Cat. No.
AIN 93G Mineral Mix	02960400
AIN 93M Mineral Mix	02960402
AIN 76 Mineral Mix	02905455
Salt Mix W	02902851



Common Formulations Ingredients

Mineral Mixes	Cat. No.
Alphacel Non Nutritive Bulk	02900453
Brewers Yeast	02903312
Casein Low Trace Element	02960128
Casein Purified High Nitrogen	02901293
Casein Vitamin Free	02904520
Cocoa Butter	02905417
Cod Liver Oil	02901405
Corn Ground Yellow	02901411
Corn Oil	02901414
Dextrin Type II	02901520
Dextrinized Corn Starch	02960429
D-(+)- Dextrose Anhydrous	02901521
Dextrose Monohydrate	02905594
Menhaden Oil	02960120
Soybean Oil	02104687
Soy Protein Isolated	02905456
Starch Corn	02902956
Sucrose	02904713
Torula Yeast	02903085
Wheat Germ	02903288
Wheat Gluten	02101815





FINE CHEMICALS & SOURCING



Adsorbents for Chromatography and Filtration

Our Range of Alumina (Aluminium Oxide)

Our Range of Silica



Bulk Sourcing Service



Adsorbents for Chromatography and Filtration

MP Biomedicals offers Alumina (Aluminium Oxide) and Silica for Chromatography and Filtration. All products are manufactured in Eschwege, Germany since the late 1940s. Our adsorbents range covers applications in research and development, analytics and production. Products are available in gram to ton amounts. Custom-made variations can be offered.

Our Range of Alumina (Aluminium Oxide)

- Most extensive range of Alumina variations.
- Highest activities available in the market.
- Highest grade of standardization.





Adsorbents for Chromatography and Filtration

Alumina	Cat. No.
MP EcoChrom™ ALUMINA A, Activity: Super I, Acid pH, 63 - 200 µm	0204595
MP EcoChrom™ ALUMINA B, Activity: Super I, Basic pH, 63 - 200 µm	0204571
MP EcoChrom™ ALUMINA N, Activity: Super I, Neutral pH, 63 - 200 µm	0204583
MP EcoChrom™ ALUMINA A, Activity: I, Acid pH, 63 - 200 µm	0202102
MP EcoChrom™ ALUMINA B, Activity: I, Basic pH, 63 - 200 µm	0202072
MP EcoChrom™ ALUMINA N Activity: I, Neutral pH, 63 - 200 µm	0202087

Special Alumina	Cat. No.
MP EcoChrom™ ALUMINA R, for Isotope Preparation, Acid pH, 63 - 200 µm	0204595
MP EcoChrom™ ALUMINA B, Activity: Super I, Basic pH, 63 - 200 µm, for Dioxin Analysis	0204571



Our Range of Silica

- Most expanded range.
- Standard and rarely available particle sizes.
- Active Silica.

Silica	Cat. No.
MP EcoChrom™ SILICA, 32 - 63 µm, 60Å	0202825
MP EcoChrom™ SILICA, 40 - 63 µm, 60Å	0208121
MP EcoChrom™ SILICA, 63 - 200 µm, 60Å	0204664



Bulk Sourcing Service

MP Biomedicals provides the most innovative products with the highest quality for your manufacturing needs. We are committed to supporting you with custom products tailored to your applications based on exact specifications. Drawing on years of manufacturing and laboratory experience, we partner with our customers on all phases of customization.

- Raw material sourcing.
- Supply management services.
- Quality systems and control.
- Development and production services.
- Regulatory support and documentation.

We offer a broad portfolio of products and services ranging among others from bioprocessing and biological buffers to adsorbents, New Zealand bovine proteins and ingredients for pharmaceutical manufacturing. Our research and industrial customers rely on us to provide high quality reagents and exceptional services to support all aspects of their projects.





Bulk Sourcing Service

MP Biomedicals offers a diverse selection of high-quality chemicals to support a variety of bulk requests and manufacturing needs.

Category	Product Name	Cat. No.	CAS No.
Antibiotic	Amphotericin B	02195043	1397-89-3
	Ampicillin Sodium Sterile	02EFC004	69-52-3
	Aztreonam	02150415	78110-38-0
	Cefazolin Sodium Salt	02154946	27164-46-1
	Clindamycin Hydrochloride	02191168	21462-39-5
	Streptozotocin	02100557	18883-66-4
	Trimethoprim	02195527	738-70-5
Immunology / Cell Biology	Biorich with Glutamine	091047122	
	Fluorescein-Conjugated Goat IgG Fraction to Mouse IgG (No Cross to Rat)	0855503	
	Hemoglobin	091004817	
	High Growth Enhancement Medium, w L-Glutamine, w/o Bicarbonate Na	091033822	
	IgG, Human, Purified (98%)	0855908B	
	Medium 199 With Hanks' Salts (H199), Powder, w L-Glutamine w/o Bicarbonate Na	091023124	
	Mp-Mrc-5 Serum-Free Cell Culture Medium	092013426	
	Murashige and Skoog Medium, w/o Sucrose, Agar, IAA, and Kinetin	092610020	
	Peroxidase-Conjugated Goat IgG Fraction To Rabbit IgG (Whole Molecule)	0855676	
	Whole Goat Serum	0855984	
Nucleotides & Nucleosides	2'-Deoxyadenosine	02194654	16373-93-6
	Adenine, U.S.P	02199905	73-24-5
	Adenosine, U.S.P	02199803	58-61-7
	Guanidine Hydrochloride	02194826	50-01-1
	Guanosine	02101907	118-00-3
	Uridine	02103216	
	Uridine-5'-Diphosphoglucose Disodium Salt	02101208	28053-08-9
Proteins, Enzymes & Peptides	Albumin Bovine, Fraction V	02160069	9048-46-8
	Albumin, Bovine	02105033	9048-46-8
	beta-Galactose Dehydrogenase	02180676	
	ChromatoPur™ Thrombin, Bovine, Low Specific Activity	02199907	
	Fetuin	02104874	9014-81-7
	Insulin, Human Recombinant	02193900	11061-68-0
	Lipoxidase from Soybean	02183946	
	Protein A	02150051	
	Taurine, Meets USP (Synthetic)	02180899	
	Thrombin	02101141	
Surfactants, Detergents & Denaturants	Z-Val-Ala-Asp-(Ome)-Fluoromethylketone	03FK009	187389-52-2
	Urea, Ultra-Pure	04821530	57-13-6



DIAGNOSTICS

MP Biomedicals offers the most comprehensive diagnostics portfolio including rapid tests for infectious diseases, quantitative rapid tests, confirmatory tests, and drug of abuse rapid tests — arming consumers, providers, researchers, health plans, and employers with the accurate, reliable information they need to make better healthcare decisions. All MP Diagnostics products are produced under the strictest international regulatory standards at our worldwide facilities. All our products are CE-marked and provide accurate results.

Rapid Tests for Infectious Diseases

Our portfolio includes rapid tests for various infectious diseases such as respiratory (SARS-CoV-2, Influenza A and B, tuberculosis), gastrointestinal (*Salmonella typhi*, *Helicobacter pylori*, *Vibrio cholerae*), HIV & other sexual transmitted diseases, viral hepatitis, as well as for the detection of infections such as dengue fever, malaria, and HTLV infection.

Quantitative Rapid Tests

The Immunofluorescence Analyzer MPQuanti® is a time-resolved fluorescence immunoassay analyzer which provides quantitative test results. Our specific diagnostic test kits are compatible with plasma, serum and, whole blood and include the detection of:

- Inflammation Markers
- Cardiac Markers
- Hormones
- Diabetes & Vitamin D

Confirmatory Diagnostics

AutoBlot System is a fully automated platform that enables Western Blot procedures of up to 48 assay strips per run at your pre-selected temperature. The device is compatible with confirmatory diagnostic tests including HIV, HTLV, HCV, and Helico Blots. In addition, the software AutoScan PRO enables the generation of analysis report of test results.

Drug Testing

We offer a wide selection of drug of abuse immunoassays based on the principle of competitive binding. 16 parameters are available for saliva testing and 39 for urine drug detection in different formats (strip, card, dip card, and cup). All formats are tailor-made tests with customized combinations of parameters.

To complete this range, we offer the portable drug test reader for the scan, digitalization, and print of drug test results.

Need more information?

Contact our diagnostics team: diagnostics@mpbio.com



MP Biomedicals: Your Partner in Research! One Source for All Your Research Needs

Life Science

- Cell Biology
- Molecular Biology
- Immunology
- Microbiology
- Pharmacology
- Chemistry
- Biochemistry

Fine Chemicals

- Bulk
- Sourcing

Diagnostics

- Rapid Tests for Infectious Diseases
- Point-of-Care
- Confirmatory Diagnostics
- Drug Testing



MP Biomedicals   

EUROPE: 00800.7777.9999 | custserv.eur@mpbio.com

AMERICAS: 800.854.0530 | custserv.na@mpbio.com

APAC: +65 6775.0008 | custserv.ap@mpbio.com



Contact us to have more informations
on our products and applications

www.mpbio.com