

Magnetic bead-based sample preparation solutions

Attract success in DNA, RNA, protein and cell isolation

Move to the bead

Magnetic bead-based sample preparation technology provides more reliable and reproducible results for the purification and analysis of molecules, including DNA, RNA, proteins, cells, and exosomes.

Depending on your throughput needs and downstream research goals, we have a wide variety of magnetic bead-based solutions to choose from to help you save time and get better results.

Featured magnetic bead-based sample preparation solutions



Thermo Scientific™ KingFisher™ automated purification systems

Isolate DNA, RNA, proteins, cells, exosomes, and peptides for up to 96 samples in 25 to 60 minutes. Easy-to-follow protocols with MagMAX reagents and Dynabeads optimized kits remove manual steps and help reduce overall processing time and errors.



Applied Biosystems™ MagMAX™ kits

MagMAX kits extract DNA and RNA from a variety of biological samples. These kits are designed to be paired with liquid handlers and automated purification systems, or they can be used manually. These kits help ensure reproducibility of high-quality nucleic acid.



Invitrogen™ Dynabeads™ kits

Dynabeads products and kits are available for many applications, including assays that require flexibility. Some kits are precoupled with a biomolecule (ligand) with an affinity for the desired target: i.e., an antibody, protein or antigen, DNA/RNA probe, or other molecule.

The magnetic bead-based workflows on KingFisher instruments provide:



Consistency

Uniform bead size and surface enables exceptional binding, which results in optimal specificity and isolation.



Fewer complications

Get less clogging because of mobile dispersion and regular density with efficient elution in small volumes.



Versatile solutions

Isolate different analytes from various sample types for use in a wide range of applications.



Publication-ready results






















Industry-leading data produced with Dynabeads and MagMAX products has more than 70,000 citations.

Featured KingFisher system applications

Application	Sample type	Automation-ready extraction kit and reagents	Cat. No.
Cancer research		MagMAX Cell-Free DNA Isolation Kit	A29319
		MagMAX Cell-Free Total Nucleic Acid Isolation Kit	A36716
		MagMAX FFPE DNA/RNA Ultra Kit	A31881
		MagMAX DNA Multi-Sample Ultra 2.0 Kit	A36570
		MagMAX Sequential DNA/RNA Kit	A65309
		Dynabeads FlowComp Human CD3, CD4, and CD8 kits	11365D 11361D 11362D
		Dynabeads Intact Virus Enrichment (isolation of intact exosomes)	10700D
		Dynabeads Untouched Human T Cells and CD4 T Cells kits	11344D 11346D
		Dynabeads CD15, CD4, and Epithelial Enrich	11137D 11145D 16102
		Dynabeads MyOne CD45 Leukocyte Depletion	11170D
Genomics		MagMAX DNA Multi-Sample Ultra 2.0 Kit	A36570
		MagMAX <i>mirVana</i> Total RNA Isolation Kit	A27828
Infectious disease research		MagMAX Prime Viral/Pathogen NA Isolation Kit	A58145
		MagMAX Viral/Pathogen Nucleic Acid Isolation Kit, for HIV-1 dried blood spots (DBS)	A53770
		MagMAX Viral/Pathogen II Nucleic Acid Isolation Kit	A48383R
Environmental research		Dynabeads Intact Virus Enrichment	10700D
		MagMAX Microbiome Ultra Nucleic Acid Isolation Kit, with bead tubes	A42358
		MagMAX Plant DNA Isolation Kit	A32549
		MagMAX Plant RNA Isolation Kit	A33784
Proteins		MagMAX Wastewater Ultra Nucleic Acid Isolation Kit with Virus Enrichment	A52610
		DynaGreen Protein A	80102G
		DynaGreen Protein A/G	80105G
		DynaGreen CaptureSelect Anti-IgG-Fc (Multi-species) Magnetic Beads	80108G
		Dynabeads Protein A for Immunoprecipitation and Dynabeads Protein A Immunoprecipitation kits	10002D 10006D
Streptavidin		Dynabeads Protein G for Immunoprecipitation and Dynabeads Protein A Immunoprecipitation kits	10004D 10007D
	All	Dynabeads Streptavidin for Target Enrichment	65606D
	All	Dynabeads M-270 Streptavidin and M-280 Streptavidin	65305 11205D
<i>In vitro</i> transcription	All	Dynabeads MyOne Streptavidin T1 and MyOne Streptavidin C1	65601 65001
		Dynabeads Streptavidin for <i>In Vitro</i> Transcription	65006D
DNA cleanup and size selection		Dynabeads <i>In Vitro</i> Transcription and RNA Purification Kit	65036D
Plasmids		MagMAX PureBind Beads	A58523
		MagMAX Pro HT NoSpin Plasmid Miniprep Kit	A58310

Legend

Sample type:

-  Blood
-  Bone marrow
-  Buccal swab
-  Buffy coat
-  Cells
-  DNA
-  Dried blood spot (DBS) card
-  Formalin-fixed, paraffin-embedded (FFPE) tissue
-  Peripheral blood mononuclear cells (PBMCs)
-  Plant tissue
-  Plasma or serum
-  Plasmids
-  RNA
-  Saliva
-  Soil
-  Stool
-  Swab
-  Tissue (nonplant)
-  Urine
-  Viral transport medium (VTM)
-  Wastewater

KingFisher purification systems*

Instrument	Cat. No.	Instrument	Cat. No.
KingFisher Duo Prime Purification System	5400110	KingFisher Apex Purification System with 96 PCR Head	5400910
KingFisher Flex Purification System with 96 PCR Head	5400610	KingFisher Apex Purification System with 96 Combi Head	5400920
KingFisher Flex Purification System with 96 KingFisher Head	5400620	KingFisher Apex Purification System with 96 Deep-Well Head	5400930
KingFisher Flex Purification System with 24 Deep-Well Head	5400640	KingFisher Apex Purification System with 24 Combi Head	5400940
KingFisher Flex Purification System with 96 Deep-Well Head	5400630		

* KingFisher Flex and KingFisher Apex Purification Systems are For Laboratory Use..

 Discover the future of sample prep at thermofisher.com/kingfisher