

Prep for the future

Automated sample preparation for DNA, RNA, proteins, and cells

Thermo Scientific™ KingFisher™ purification systems are elegantly designed to support multiple applications in your lab

- **Various throughputs**—process 6–96 samples per run depending on the instrument model
- **Interchangeable formats**—choose 24- or 96-well plates so you can process a wide range of input volumes
- **Protocol customization**—easily modify or create new protocols
- **Optimized reagents**—compatible magnetic bead-based kits for a wide range of sample types



Thermo Scientific™ KingFisher™ Duo Prime Purification System



Thermo Scientific™ KingFisher™ Flex Purification System



Thermo Scientific™ KingFisher™ Apex Purification System

Sample throughput level	6–12 samples	24–96 samples	24–96 samples
Minimal volume range	50–5,000 µL	20–5,000 µL	10–5,000 µL

The magnetic bead-based workflows on KingFisher instruments provide:



Consistency

Superior binding to allow for specificity and optimal isolation due to the uniform bead size and surface



Fewer complications

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 Invitrogen™ Dynabeads™ and Applied Biosystems™ MagMAX™ products cited in more than 70,000 global publications

The KingFisher Sample Purification System Kit, Reagent, and Protocol Selection Tool

can help support decision-making on which kit to use for various analytes and applications, including nucleic acid isolation from fungi, gram-positive and gram-negative bacteria, parasites, and microbial species, as well as proteins, exosomes, and extracellular vesicles.

Visit thermofisher.com/kingfisherkits to learn more.

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
		Dynabeads FlowComp Human CD3, CD4, and CD8 kits	11365D 11361D 11362D
		Dynabeads Untouched Human T Cells and CD4 T Cells kits	11344D 11346D
		Dynabeads CD15, CD4, and Epithelial Enrich	11137D 11145D 16102
		Dynabeads CD45	11153D
Genomics		MagMAX DNA Multi-Sample Ultra 2.0 Kit	A36570
		MagMAX mirVana 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
		Dynabeads Intact Virus Enrichment	10700D
Environmental research		MagMAX Microbiome Ultra Nucleic Acid Isolation Kit, with bead tubes	A42358
		MagMAX Plant DNA Isolation Kit	A32549
		MagMAX Plant RNA Isolation Kit	A33784
		MagMAX Wastewater Ultra Nucleic Acid Isolation Kit with Virus Enrichment	A52610
Proteins		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
		Dynabead Protein G for Immunoprecipitation and Dynabeads Protein A Immunoprecipitation kits	10004D 10007D
Streptavidin	All	Dynabeads Streptavidin for Target Enrichment	65606D
	All	Dynabeads M-270 Streptavidin and M-280 Streptavidin	65305 11205D
	All	Dynabeads MyOne Streptavidin T1 and MyOne Streptavidin C1	65601 65001
<i>In Vitro</i> transcription		Dynabeads Streptavidin for <i>In Vitro</i> Transcription	65006D
		Dynabeads <i>In Vitro</i> Transcription and RNA Purification Kit	65036D
DNA cleanup and size selection		MagMAX PureBind Beads	A58523

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
- 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		

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