



Thermo Scientific KingFisher
Automated Purification Systems



Primed for Performance

- Automated purification system for a range of applications.

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Complete nucleic acid and protein purification system

Ensure sample purity

Successful downstream analysis depends on high-quality, reproducible purification of nucleic acids, proteins and cells. Thermo Scientific™ KingFisher™ purification systems are designed to deliver high-quality samples with minimal hands-on time, helping you optimize your workflow.

- Choose from four distinct systems to meet your application and throughput needs
- Optimized kits streamline the purification workflow for a wide variety of sample types
- Thermo Scientific™ BindIt™ software lets you create customized protocols for additional flexibility
- Specially designed consumables for efficient sample processing



Magnetic separation technology

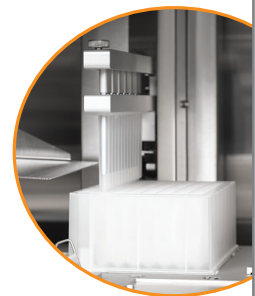
KingFisher instruments use magnetic rods to move particles through the purification phases of binding, washing and elution to yield high-quality DNA, RNA and proteins. This revolutionary technology minimizes impurities, delivering samples that are ready for downstream analysis.



Diverse applications

KingFisher systems provide the flexibility required to meet evolving research needs, including prewritten protocols for a variety of applications.

- Nucleic acid purification from various starting materials including cell-free body fluids, blood, bacteria, cell culture and various tissues.
- Protein applications including immunoprecipitation, affinity purification, fusion protein purification and phosphopeptide enrichment
- Cell separation including cancer or white blood cell isolation and bacterial cell separation



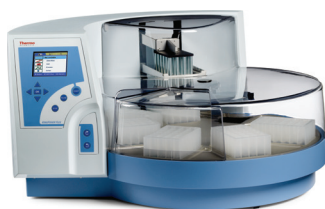
You can also customize existing protocols and create new ones for protein and cell applications with the versatile BindIt software.



Meet the KingFisher family

Our revolutionary magnetic separation technology lets you process virtually any sample from any source for high-quality isolation of nucleic acids, proteins and cells. With four systems to choose from, Thermo Scientific KingFisher platforms provide the performance, flexibility and speed for your budget, application and throughput requirements.

KingFisher Flex: Designed to process up to 96 samples at a time, with volumes up to 5 mL, the versatile KingFisher Flex system has four interchangeable magnetic heads for plates of various sizes—including 24- and 96-well and deep well plates, and PCR plates. You can choose from a range of volumes (20-5000 μ L), depending on the magnet head and plate. The KingFisher Flex instrument can be integrated with liquid handling, robotics and plate-stacking instruments to fully automate your workflow for higher throughput.



BindIt software: gives you the flexibility you need to get the most out of your KingFisher system. Modify prewritten protocols or create your own to handle more applications.

KingFisher consumables: made of polypropylene, are ideal for magnetic particle processing due to their low binding affinity for biomolecules. Both the yield and the quality of the isolated DNA/RNA are significantly improved with special KingFisher plates and tips.

KingFisher Duo Prime: The newest addition to the family, the KingFisher Duo Prime system automates purification processes for research and routine laboratories working with a smaller number of samples. The system delivers high quality yields with excellent reproducibility and reliability. New features include a barcode reader for traceability and built-in UV lamp designed for effective decontamination. Run 24 samples per load and 2 protocols sequentially, with processing volumes ranging from 30 μ L- 5 mL.



KingFisher Pure DNA/RNA Kits:

Our KingFisher Pure Kits are paired with KingFisher instruments, forming a cohesive, validated system of rapid purification to produce the highest quality nucleic acid samples compatible with most common enzymatic downstream analyses and applications.



KingFisher mL: The economical choice for easy operation of up to 15 samples. Processing volumes range from 50 to 1000 μ L carried out in tube strips.



KingFisher: The first in the family, the KingFisher system allows users to purify small-scale samples economically. Run up to 24 samples in 20-200 μ L. All purification and processing steps, programmed using simple push-button operation, are carried out in microstrips.

Instrument	KingFisher Flex		KingFisher Duo Prime		KingFisher mL	KingFisher
Samples/run	96	24	12(24)	6	15	24
Working volume (μ L)	20-1000	200-5000	30-1000	200-5000	50-1000	20-200

Ordering information

Product #	Description
KingFisher instruments	
5400000	KingFisher, 100-240 V, 50/60 Hz
5400050	KingFisher mL, 100-240 V, 50/60 Hz
5400110	KingFisher Duo Prime, 100-240 V, 50/60 Hz
5400610	KingFisher Flex with 96 PCR head, 100-240 V, 50/60 Hz
5400620	KingFisher Flex with 96 KF head, 100-240 V, 50/60 Hz
5400630	KingFisher Flex with 96 deep-well head, 100-240 V, 50/60 Hz
5400640	KingFisher Flex with 24 deep-well head, 100-240 V, 50/60 Hz
Consumables for KingFisher	
97002070	KingFisher tip comb, 50 pcs
97002080	KingFisher plate 100 µL, 50 pcs
97002084	KingFisher plate 200 µL, 50 pcs
Consumables for KingFisher mL	
97002111	KingFisher mL tip comb, 800 pcs
97002121	KingFisher mL tube, 900 pcs
97002141	KingFisher mL Combi 240, (tubes and tip combs), for 240 samples
Consumables for KingFisher Duo Prime	
97003500	KingFisher Duo 12-tip comb, for KingFisher deep-well 96 plate, 50 pcs
95040450	KingFisher deep-well 96 plate, 50 pcs
97003510	KingFisher Duo 6-tip combs, for KingFisher Flex 24 deep-well plate, 48 pcs
95040470	KingFisher Flex 24 deep-well plate, 50 pcs
97003520	KingFisher Duo elution strip, 40 pcs
97003540	KingFisher Duo Cap for elution strip, 40 pcs/box
97003530	KingFisher Duo Combi pack for KingFisher deep-well 96 plate (tips combs, plates, elution strips and cap strips for 96 samples)

Product #	Description
Consumables for KingFisher Flex	
97002514	KingFisher 96 tip comb for PCR magnets, 80 pcs
97002524	KingFisher 96 tip comb for KF 96 magnets, 100 pcs
97002534	KingFisher 96 tip comb for deep-well magnets, 10 x 10 pcs/box
97002540	KingFisher 96 KF plate, 48 pcs
95040450	KingFisher deep-well 96 plate, 50 pcs
95040460	KingFisher deep-well 96 plate, sterile, 50 pcs
97002610	KingFisher Flex 24 deep-well tip comb and plate, 50 pcs of each
95040470	KingFisher Flex 24 deep-well plate, 50 pcs
95040480	KingFisher Flex 24 deep-well plate Sterile, 50 pcs
9503230	Cap Mat for DW 96 plate, 50 pcs
9503233	Cap Mat for DW 96 plate, sterile, 25 pcs
KingFisher Pure DNA/RNA Kits	
98010196	KingFisher Pure DNA Blood Kit, 96 preps
98010496	KingFisher Pure DNA Blood Kit, 384 preps
98020196	KingFisher Pure RNA Blood Kit, 96 preps
97030196	KingFisher Cell and Tissue DNA Kit, 96 preps
97030496	KingFisher Cell and Tissue DNA Kit, 384 preps
98040196	KingFisher Pure RNA Tissue Kit, 96 preps
98040496	KingFisher Pure RNA Tissue Kit, 384 preps
98050196	KingFisher Pure DNA Plant Kit, 96 preps
98050496	KingFisher Pure DNA Plant Kit, 384 preps
98060196	KingFisher Pure RNA Plant Kit, 96 preps
98060496	KingFisher Pure RNA Plant Kit, 384 preps
98070196	KingFisher Pure Viral NA Kit, 96 preps
98070496	KingFisher Pure Viral NA Kit, 384 preps
98080196	KingFisher Pure Plasmid Kit, 96 preps
98080496	KingFisher Pure Plasmid Kit, 384 preps



High-performance Thermo Scientific™ Pierce™ iron oxide, superparamagnetic particles are available for immunoprecipitation, affinity purification as well as creating custom magnetic particles.

Interested in our magnetic beads for proteomic applications?

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