

Technotes

Highlighting technical features

Thermo Scientific KingFisher Duo Prime System

Key Features

- Automated magnetic bead purification system for DNA, RNA and protein
- Barcode reader to help improve traceability
- Built-in UV lamp designed for effective decontamination
- Customizable workflow for different sample types, reagents and protocols
- Ready-made, easy to start protocols for different types of applications

Primed for Performance

Reproducible, automated purification system—flexible for a diverse range of applications.

The Thermo Scientific™ KingFisher™ Duo Prime is an automated and flexible DNA, RNA and protein purification system for low- to medium-throughput labs, delivering higher quality samples with reduced hands-on time compared to manual methods. Leveraging an innovative magnetic bead technology, the purification workflow is now more efficient than ever.



A FLEXIBLE, OPEN SYSTEM

Use KingFisher Pure Kits or your own reagents for a wide range of starting materials including:

- Blood
- Bacteria
- Cells
- Tissue
- Cell-free body fluids
- Virus
- Plant material

REVOLUTIONARY AUTOMATED MAGNETIC BEAD TECHNOLOGY

Samples are bound to magnetic beads through all purification phases.

- Consistent and reliable from sample to sample
- Automation frees up time for downstream analyses
- Isolates high quality, inhibitor-free samples
- Large volume up to 5 mL
- Process up to 24 samples per load

Thermo
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Simplify your DNA, RNA and protein purification with the compact KingFisher Duo Prime system.

Excellent reproducibility with minimal hands-on time

The KingFisher Duo Prime instrument works with our optimized KingFisher Pure DNA/RNA purification kits, plastic consumables and Thermo Scientific™ BindIt™ software to provide a complete, highly sensitive automated system for your purification workflow.

SPECIFICATIONS	
Applications	DNA and RNA isolation from various starting materials, proteomic applications, cell isolation
Sample per run	Up to 12 with 12-pin magnet head
	Up to 6 with 6-pin magnet head
Max sample load	24
Plastic consumables	96 deep well plate
	24 deep well plate
	1 x 12 elution strip
Volume range	30-1000 µl (12-pin magnet head)
	200-5000 µl (6-pin magnet head)
Heating/cooling	10 - 75°C in RT (plate row A)
	4 - 75°C in RT (elution strip)
UV lamp	8W
UV exposure time	Up to 16 hours
Internal memory	Space for ca. 200 protocols
Protocol import	Using BindIt software or USB memory device
Computer interface	USB
Size W x D x H	40 x 46 x 34 cm (15.7 x 18.1 x 13.4 in.)
Weight	17 kg (37.5 lb.)

ORDERING INFORMATION	
Cat. No.	Description
5400110	KingFisher Duo Prime
Accessories	
N16640	2D Barcode reader for KingFisher
Consumables	
95040450	Microtiter 96 Deepwell plate, 50 pieces per box
95040470	KingFisher Flex 24 Deepwell plate, 50 pieces per box
97003500	KingFisher Duo 12-tip comb, for Microtiter 96 Deepwell plate, 50 pieces per box
97003510	KingFisher Duo 6-tip combs, for KingFisher Flex 24 Deepwell plate, 48 pieces per box
97003520	KingFisher Duo elution strip
97003540	KingFisher Duo Cap for elution strip, 40 pieces per box
97003530	KingFisher Duo Combi pack for Microtiter 96 Deepwell plate (tips combs, plates and elution strips for 96 samples)
98010196	KingFisher Pure DNA Blood Kit, 96 preps
98020196	KingFisher Pure RNA Blood Kit, 96 preps
97030196	KingFisher Cell and Tissue DNA kit, 96 preps
98040196	KingFisher Pure RNA Tissue Kit, 96 preps
98050196	KingFisher Pure DNA Plant Kit, 96 preps
98060196	KingFisher Pure RNA Plant Kit, 96 preps
98070196	KingFisher Pure Viral NA Kit, 96 preps
98080196	KingFisher Pure Plasmid Kit, 96 preps



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