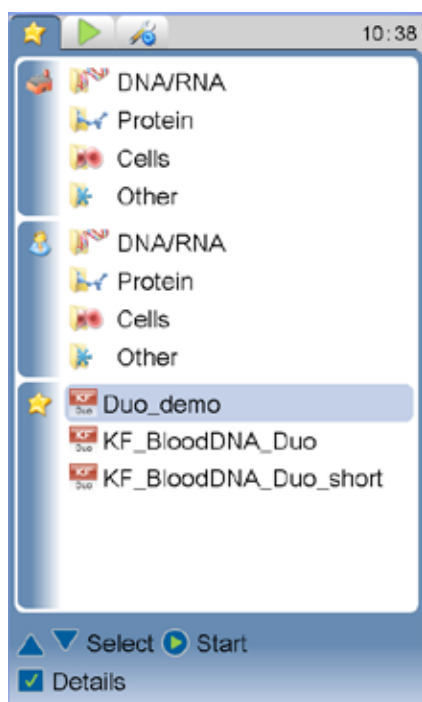


Thermo Scientific KingFisher Duo Magnetic Particle Processor

- **Flexible, fast and compact system for diverse applications**
- **Process variety of sample types in volumes ranging up to 5 ml**
- **Optimized DNA and RNA purification kits and protocols for exquisite performance**
- **Excellent traceability with complete data management**



Flexible Nucleic Acid Purification Workflow

Thermo Scientific KingFisher Duo is a low- to medium-throughput purification system consisting of the KingFisher® Duo magnetic particle processor instrument, optimized DNA/RNA purification kits, plastics consumables and the BindIt software, providing a highly sensitive automated workflow.

Process samples up to 5 ml

With the KingFisher Duo customers can process up to 12 samples per run when the working volume is up to 1 ml. In addition, it is possible to run two purification methods sequentially without interruption, raising the throughput up to 24 samples. With the ability to change the instrument configuration, the customers can elevate the sample processing volume up to 5 ml to obtain higher yields of the purified product.

Fast and compact system

As a fast, compact system, the KingFisher Duo has a small bench top footprint making it ideal for space-restricted laboratories. This easy-to-use instrument is a perfect match for research and diagnostic laboratories requiring nucleic acid purification. In addition, as an open system KingFisher Duo can be easily modified for use in proteomic and cell isolation applications.

Excellent traceability and data management

As a stand-alone unit, KingFisher Duo is able to run protocols and save run log files, while in combination with the Thermo Scientific BindIt software, users are provided with absolute traceability and complete data management. Additionally, using this dedicated software, protocols can be developed, protected and imported directly to the instrument via a USB stick.

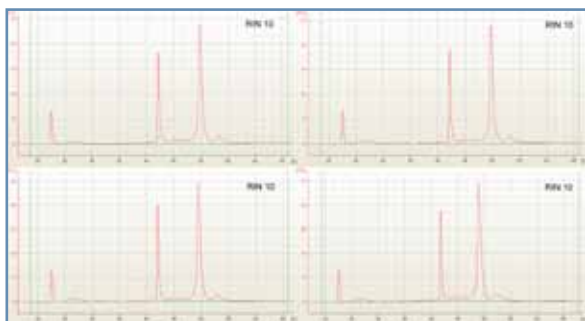


Figure 1. Total RNA was purified from HeLa-S3 cells with the KingFisher Duo and KingFisher Total RNA Kit. The obtained RNA yield was outstanding and the RNA integrity number (RIN) indicates that the RNA was intact.

Wide Variety of starting materials

The flexible KingFisher Duo enables users to select from a variety of starting materials, from blood and other body fluids to cells and tissue samples, allowing use of a single instrument in a variety of applications.

Thermo Scientific KingFisher Duo Technical Information

Processing volume	50-1000 µl (96 DW plate, 12 pin magnet head)
	30-130 µl (elution strip, 12 pin magnet head)
	200-5000 µl (24 DW plate, 6 pin magnet head)
Capacity samples/run	Up to 12 (12 pin magnet head)
	Up to 6 (6 pin magnet head)
Magnetic rods	12 or 6
Plates per deck	2
Plate types	Microtiter Deepwell 96 plate KingFisher Flex 24 Deepwell plate
Elution strip	Special design, 1 x 12 format
Heating temperature (Row A)	Block temperature from +10°C to +75°C in RT
Cooling/heating temperature (elution strip)	Block temperature from +4°C to +75°C in RT
Magnetic particle size	ca.>1 µm
Collection efficiency of the particles	≥ 95%
Keyboard/Display	LCD color display
Internal memory	Space for ca. 200 protocols
Protocol import	Using BindIt software or USB stick
Computer interface	USB
Size WxDxH	40 x 46 x 35 cm (15.8 x 18.1 x 13.7 in.)
Weight	16 kg (35 lb.)



Thermo Scientific KingFisher Duo Ordering Information

Cat no	Description	Price unit
Instrument		
5400100	KingFisher Duo	Each
Consumables		
97003500	KingFisher Duo 12-tip comb, for Microtiter 96 Deepwell plate	50 pcs
97003510	KingFisher Duo 6-tip combs and KingFisher Flex 24 Deepwell plate (12 pcs of 24 DW plates, each including 4 tips combs)	48 pcs
97003520	KingFisher Duo elution strip	40 pcs
97003530	KingFisher Duo Combi pack for Microtiter 96 Deepwell plate (tips combs, plates and elution strips for 96 samples)	Each
Kits		
97010196	KingFisher Blood DNA Kit 1 x 96 preps	96 preps
97020196	KingFisher Total RNA Kit 1 x 96 preps	96 preps
97030196	KingFisher Cell and Tissue DNA Kit 1 x 96 preps	96 preps
97040196	KingFisher Viral NA Kit 1 x 96 preps	96 preps
97050196	KingFisher Plant DNA Kit 1 x 96 preps	96 preps

www.thermoscientific.com/kingfisher

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