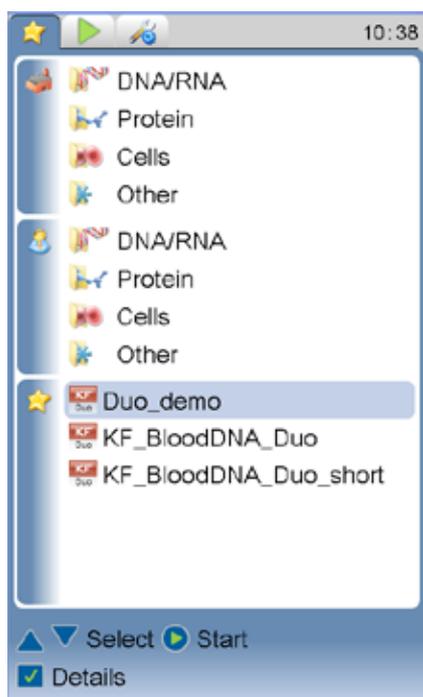


## Thermo Scientific KingFisher Duo Magnetic Particle Processor

- **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.

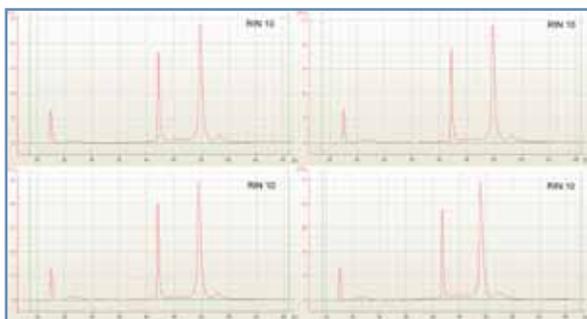


Figure 1. Total RNA was purified from HeLa-S3 cells with the KingFisher Duo and KingFisher Total RNA Kit. The obtained RNA yield was outstanding and the RNA integrity number (RIN) indicates that the RNA was intact.

## 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

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



## Thermo Scientific KingFisher Duo Ordering Information

Cat no	Description	Price unit
<b>Instrument</b>		
5400100	KingFisher Duo	Each
<b>Consumables</b>		
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
<b>Kits</b>		
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](http://www.thermoscientific.com/kingfisher)

**North America:** USA / Canada +1 800 345 0206

**Europe:** Austria +43 1 801 40 0, Belgium +32 53 73 42 41, France +33 2 2803 2180, Germany national toll free 08001-536 376, Germany international +49 6184 90 6940, Italy +39 02 02 95059 448, Netherlands +31 76 571 4440, Nordic countries +358 9 329 100, Russia/CIS +7 (495) 739 76 41, Spain/Portugal +34 93 223 09 18, Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

**Asia:** China +86 21 6865 4588 or +86 10 8419 3588, India toll free 1800 22 8374, India +91 22 6716 2200, Japan +813 5826 1616  
Other Asian countries +852 2885 4613

**Countries not listed:** +49 6184 90 6940 or +33 2 2803 2180

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