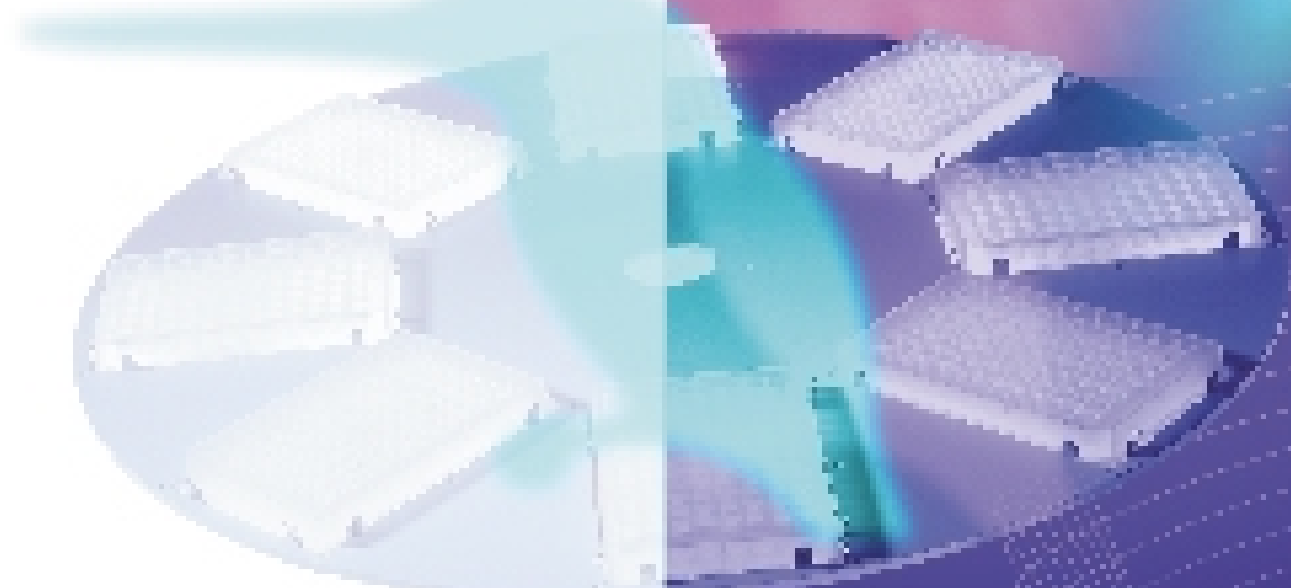


# KingFisher<sup>®</sup> 96

High throughput purification for nucleic acids and proteins, and cell isolation.

- Proven magnetic particle processing technology
- High throughput purification of thousands of samples per day
- Full walk-away automation
- High-speed high-quality processing



**Thermo** Labsystems

Expertise at work

# KingFisher® 96 is a high throughput purification system and cell isolation in a 96-well plate format

The KingFisher 96 magnetic particle processor is specifically designed to automate the time-consuming sample preparation processes of DNA, RNA, proteins and cells in a 96-well plate format. KingFisher 96 uses the revolutionary KingFisher® processing technology for high throughput sample processing with high quality results.

## KingFisher® technology

KingFisher 96 uses an advanced patented technology in which magnetic rods move particles through the processing steps to provide efficient and reproducible purification of nucleic acids, proteins and cells from a variety of starting materials. The target molecules proceed automatically through binding, washing and incubation phases until the final purified or isolated material is eluted from particles for use in a variety of downstream applications. KingFisher technology enables automated high-speed, high-quality processing with no cross-contamination between the samples nor reagent carry-over.

## High throughput purification of thousands of samples per day

KingFisher 96 will rapidly purify nucleic acids, proteins and cells from different starting materials. In one run, 96 samples can be purified in as fast as 15 minutes, enabling processing of up to several thousand samples per day. KingFisher 96 is compatible with deep-well plates, PCR plates and KingFisher 96 plates. Specially designed magnetic rods, and tip combs which protect the magnets during the process, are available for different plate types and applications.

## Flexible and easy to use

KingFisher 96 provides true walk-away performance with up to eight processing steps in each protocol. You can use optimized KingFisher Purification Kits or alternatively you can optimize and program your own automated magnetic particle protocols. Purification protocols can be easily used through the instrument's keypad. KingFisher 96 has a processing range from 10 to 1000 µl, which enables elution of small volumes and results in highly concentrated samples. It is fast and easy to set up; only loading of samples and reagents on to the plates is required. Then you just press start and KingFisher 96 automatically does the rest.



tem for nucleic acids and proteins,

### KingFisher® Kits

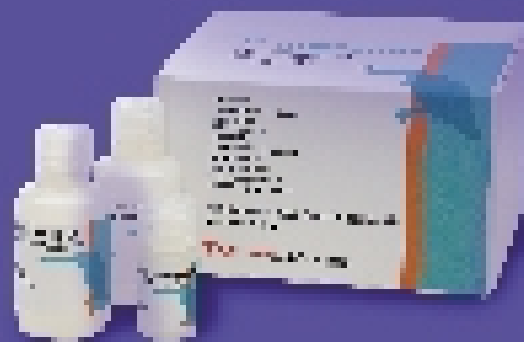
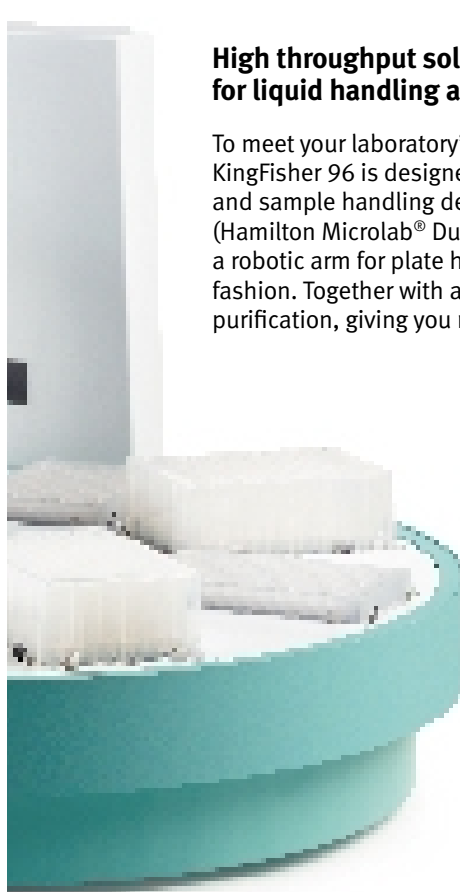
Along with the KingFisher 96 instrument, Thermo Labsystems has developed optimized KingFisher Purification Kits for your convenience. For our optimized applications, the KingFisher system provides you with a total solution, including the reagents, consumables, automated protocols and expertise to process your samples.

### KingFisher® Software

KingFisher Software is designed to allow you to develop custom made protocols for your own applications, and run them in the KingFisher 96 instrument. Protocols can be created easily with the graphical user interface and loaded into the KingFisher instrument for easy use. Any protocol created with the KingFisher Software can be saved in a database, where it can be opened and edited according to the changing needs of the application and then reloaded into the instrument.

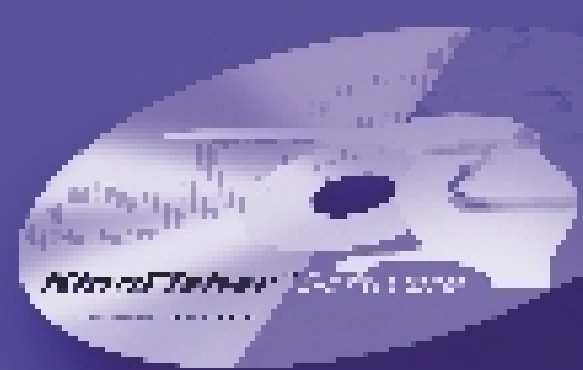
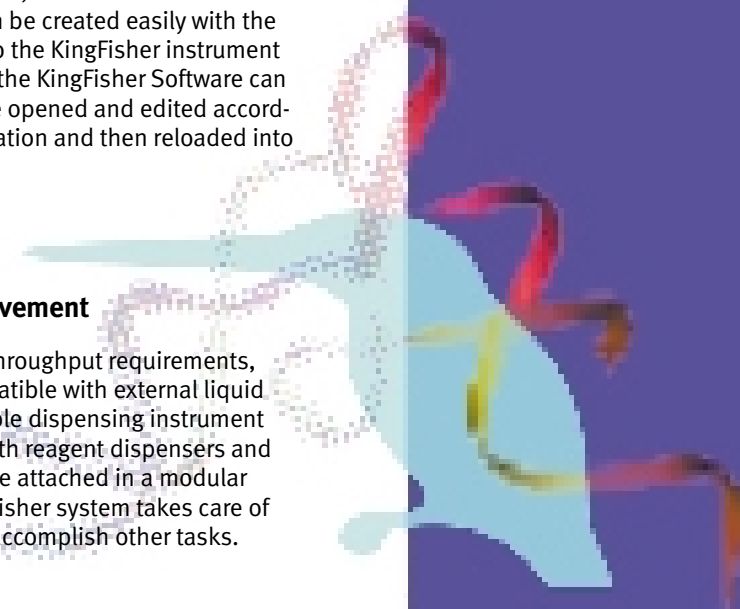
### High throughput solutions for liquid handling and plate movement

To meet your laboratory's maximum throughput requirements, KingFisher 96 is designed to be compatible with external liquid and sample handling devices. A sample dispensing instrument (Hamilton Microlab® Duo) together with reagent dispensers and a robotic arm for plate handling can be attached in a modular fashion. Together with a PC, the KingFisher system takes care of purification, giving you more time to accomplish other tasks.



### Optimized KingFisher genomic DNA Purification kit available

- Isolates genomic DNA from blood, tissue culture cells & tissue samples
- Kit gives high molecular weight DNA (>23KB)
- Excellent results from PCR.



## See for yourself

KingFisher 96 is a flexible and user friendly medium to high throughput purification system. To see for yourself what KingFisher 96 can do for your laboratory, go site seeing at [www.seeforyourself.info](http://www.seeforyourself.info)

## Quality worldwide



Thermo Labsystems Oy is a Finnish company established in 1971. We design, manufacture and market products and services primarily for use in research laboratories. Our high tech products include internationally recognized brand names such as KingFisher®, Finnpiquette®, Multiskan® and Fluoroskan®. Thermo Labsystems Oy is a business of Thermo Electron Corporation, a world-leading supplier of analytical and monitoring instrumentation. To see what Thermo Labsystems has to offer you, please visit our web site [www.thermolabsystems.fi](http://www.thermolabsystems.fi)

<b>KingFisher 96 specifications</b>	<b>Description</b>
Processing volume	10 - 1000 µl
Capacity	96 samples/run
Collection efficiency of the particles	>95%
Particle size	0.8 - 10 µm
Magnet rods	96 in one frame interchangeable magnetheads
Plate types (disposable)	96 well plates: - KingFisher 96 plate (10 - 200 µl*) - PCR plate (20 - 100 µl*), skirted - Deep Well plate (100 - 1000 µl*), squared well
Tip combs (polypropylene - disposable)	96 in one frame - for KingFisher 96 plate - for PCR plate - for Deep Well plate
Heating temperature	From +4°C above ambient temperature to +96°C; for KingFisher 96 plate and PCR plate
Dimensions (WxDxH)	68 x 60 x 38 cm
Weight	ca. 28 kg
Software	Fixed internal protocols; With the possibility to create and load protocols with KingFisher software
Keyboard / Display	START/STOP/two cursor keys / LCD
*Recommended filling volume	

<b>KingFisher 96 - The flexible system for medium to high throughput sample processing</b>				
Sample purification	Liquid handling	Sample handling	Plate handling	Throughput
KingFisher 96	Finnpipettes	Manual	Manual	MTS*
KingFisher 96	Dispensers (eg. Multidrop)	Manual	Manual	MTS
KingFisher 96	Dispensers (eg. Multidrop)	Hamilton Microlab Duo	Manual	MTS to HTS**
KingFisher 96	Dispensers (eg. Multidrop)	Hamilton Microlab Duo	Robotic arm	HTS
* medium throughput system				
** high throughput system				

<b>Ordering information</b>	
540 05 00	KingFisher 96 (incl. magnets)
970 02 510	KingFisher 96 tip comb for PCR magnets, 10 pcs / box
970 02 514	KingFisher 96 tip comb for PCR magnets, 5 x 10 pcs / box
970 02 520	KingFisher 96 tip comb for KF 96 magnets, 10 pcs / box
970 02 524	KingFisher 96 tip comb for KF 96 magnets, 5 x 10 pcs / box
970 02 530	KingFisher 96 tip comb for DW magnets, 10 pcs / box
970 02 534	KingFisher 96 tip comb for DW magnets, 5 x 10 pcs / box
970 02 540	KingFisher 96 KF plate (200 µl), 48 plates / box
970 02 544	KingFisher 96 KF plate (200 µl), 5 x 48 plates / box

## Thermo Labsystems

Ratastie 2,  
FIN-01620 Vantaa, Finland  
Tel. +358-9-329 100  
Fax +358-9-3291 0415  
E-mail [customer.support@thermobio.info](mailto:customer.support@thermobio.info)  
[www.thermolabsystems.fi](http://www.thermolabsystems.fi)  
[www.seeforyourself.info](http://www.seeforyourself.info)

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