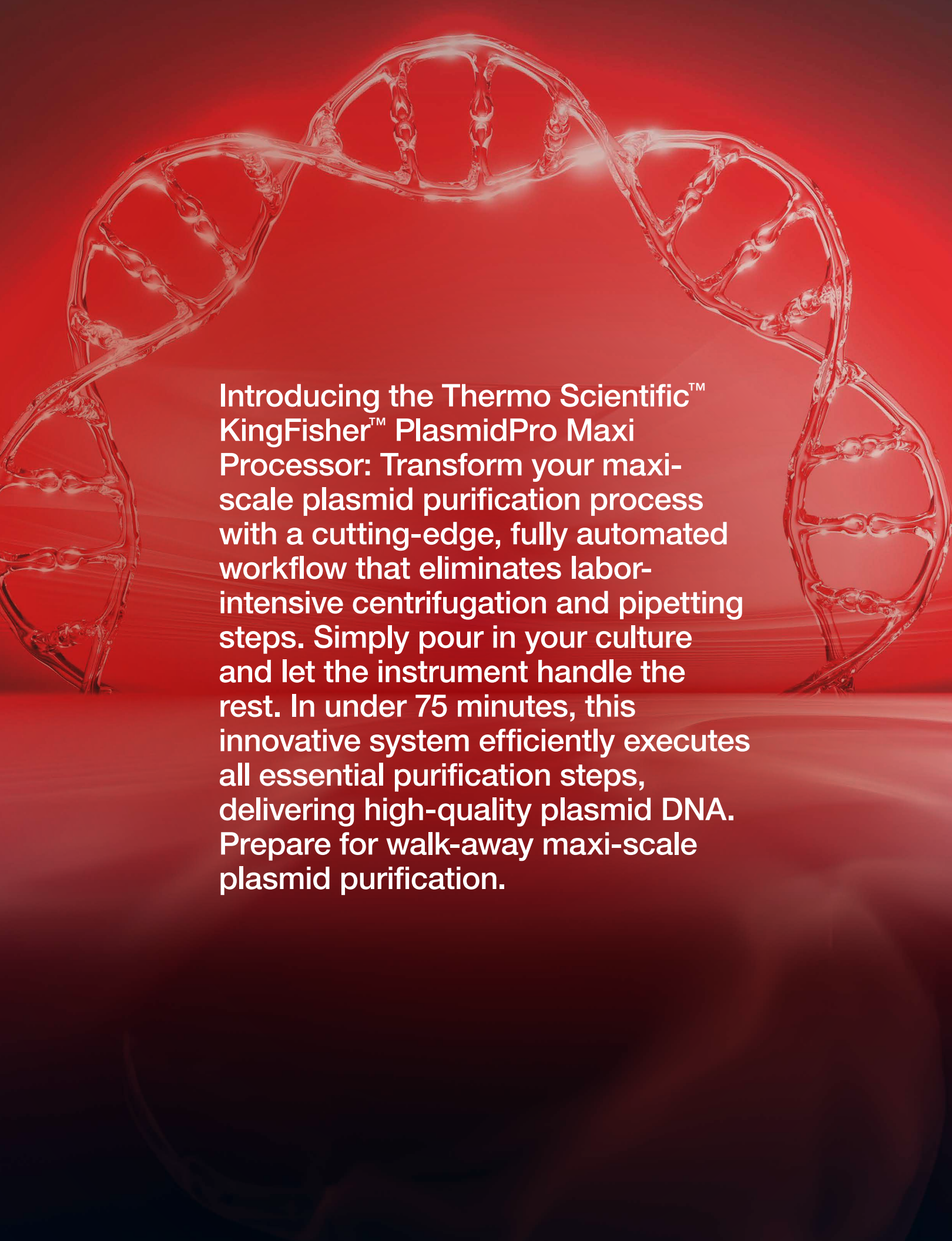




Biotech and biopharma research

The KingFisher PlasmidPro Maxi Processor

Prepare for walkaway maxi-scale plasmid purification



Introducing the Thermo Scientific™ KingFisher™ PlasmidPro Maxi Processor: Transform your maxi-scale plasmid purification process with a cutting-edge, fully automated workflow that eliminates labor-intensive centrifugation and pipetting steps. Simply pour in your culture and let the instrument handle the rest. In under 75 minutes, this innovative system efficiently executes all essential purification steps, delivering high-quality plasmid DNA. Prepare for walk-away maxi-scale plasmid purification.

Transform your plasmid purification workflow with the KingFisher PlasmidPro Maxi Processor



Skip centrifugation and pipetting steps



Free up resources



Achieve high-quality, consistent results

It's all in the cartridge

The KingFisher PlasmidPro Maxi Processor leverages the same processes and chemistry as traditional spin column-based plasmid purification methods. The system features prefilled reagents in a single cartridge for efficient setup and waste disposal.

100–150 mL overnight bacterial culture of up to 6 OD (A600) in LB or TB media

Waste collected for easy disposal

Purified plasmid DNA eluted in less than 75 minutes



Cartridge available in endotoxin-free purity grade

The KingFisher PlasmidPro cartridge isolates high-quality, endotoxin-free (<math><0.1\text{ EU}/\mu\text{g}</math>) plasmid DNA suitable for advanced downstream applications.

Applications and workflow

The KingFisher PlasmidPro Maxi Processor delivers high-quality DNA suitable for various molecular biology applications, including transfection, protein expression, gene therapy, DNA sequencing, and vaccine development. DNA quality and yield is consistent with column-based, maxi-scale plasmid prep kits. The system delivers reproducible results from both low- and high-copy plasmids with starting culture volumes of 100–150 mL.

Purification is as easy as:



Pour culture



Push “Start”



**Purified plasmid DNA
is ready for use**

For more information, check out our product page at [thermofisher.com/plasmidpro](https://www.thermofisher.com/plasmidpro)

The system is designed to enhance convenience and efficiency in the purification process. It incorporates a self-contained cartridge that comes prefilled with all the required reagents and materials for processing the culture. This eliminates the need for manual preparation of reagents, saving valuable time and effort. The cartridge is specifically optimized to purify a volume of 100–150 mL of fresh overnight culture.

User-centric design



Ultimate ease of use



Elegant simplicity



Key features of the KingFisher PlasmidPro Maxi Processor:

- User-installable instrument with a visually guided touchscreen
- Less than 5 minutes of hands-on time
- Purified plasmid DNA in under 75 minutes
- Automatic consumable barcode logging for traceability
- Simple software for operation and maintenance
- Prefilled cartridge includes all reagents and collection tube



Instrument services and support

The KingFisher PlasmidPro Maxi Processor is an easy-to-install benchtop instrument. An installation guide provides simple steps for unboxing and setup. Validation documents (IQ/OQ) are available on demand and can be ordered with the support of our local service and support team.

Warranty and service plans

Every KingFisher PlasmidPro Maxi Processor comes with a one-year warranty. Extended-coverage service plans are also available at the time of instrument purchase.

Explore service plans at thermofisher.com/kingfisher-services

Technical specifications

Description	Specification
Processing culture volume	100–150 mL
Sample type	Overnight bacterial culture of up to 6 OD or 10 ⁹ cells/mL in LB or TB media
Plasmid size range	3–10 kb high-copy or low-copy plasmid
Eluent	TE buffer (10 mM Tris-HCl, pH 8.0, 0.1 mM EDTA)
Elution volume	~1 mL
Endotoxin level	Endotoxin-free: ≤0.1 EU/μg
Instrument dimensions (H x W x D)	50 x 30 x 60 cm (19.7 x 11.8 x 23.6 in.)
Weight	39.5 kg (87 lb)
Display	7 in. touchscreen
Instrument memory	8 GB
Main power supply	100–240 VAC, 50/60 Hz (nominal), automatic voltage detection

Ordering information

Product	Units	Cat. No.
KingFisher PlasmidPro Maxi Processor	1 instrument	PPMX1000
KingFisher PlasmidPro Maxi Processor Endotoxin-Free Cartridge	4 cartridges	A54072
KingFisher PlasmidPro Maxi Processor and AB Assurance service plan package	1 instrument and 1 extended service plan	A66427

Learn more at thermofisher.com/plasmidpro

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