

Plasmid purification

The MagMAX Pro HT NoSpin Plasmid Miniprep Kit

Advanced magnetic bead technology for centrifugation-free, high-throughput plasmid DNA purification

The Applied Biosystems™ MagMAX™ Pro HT NoSpin Plasmid Miniprep Kit enables fast, scalable, and easy-to-set-up purification of transfection-grade plasmid DNA. Help accelerate your plasmid workflows while reducing time and labor costs with this high-throughput, advanced magnetic bead-based technology.

Highlights of the MagMAX Pro HT NoSpin Plasmid Miniprep Kit include:

- **Fast**—high-quality purified plasmid DNA in less than 35 minutes
- **Efficient**—yields up to 20 µg of high-copy pDNA per 1 mL of bacterial culture
- **Easy to use**—minimal hands-on steps utilizing dual magnetic beads
- **Scalable**—advanced magnetic bead-based technology allows for high-throughput kit formats
- **High purity**—delivers transfection-grade purification with very low endotoxin levels (<1.0 EU/µg)
- **No centrifugation or vacuum filtration required**
- **Automation-friendly**—easily integrated into liquid handlers and compatible with the Thermo Scientific™ KingFisher™ Presto system

Simplified workflow

No centrifugation required.

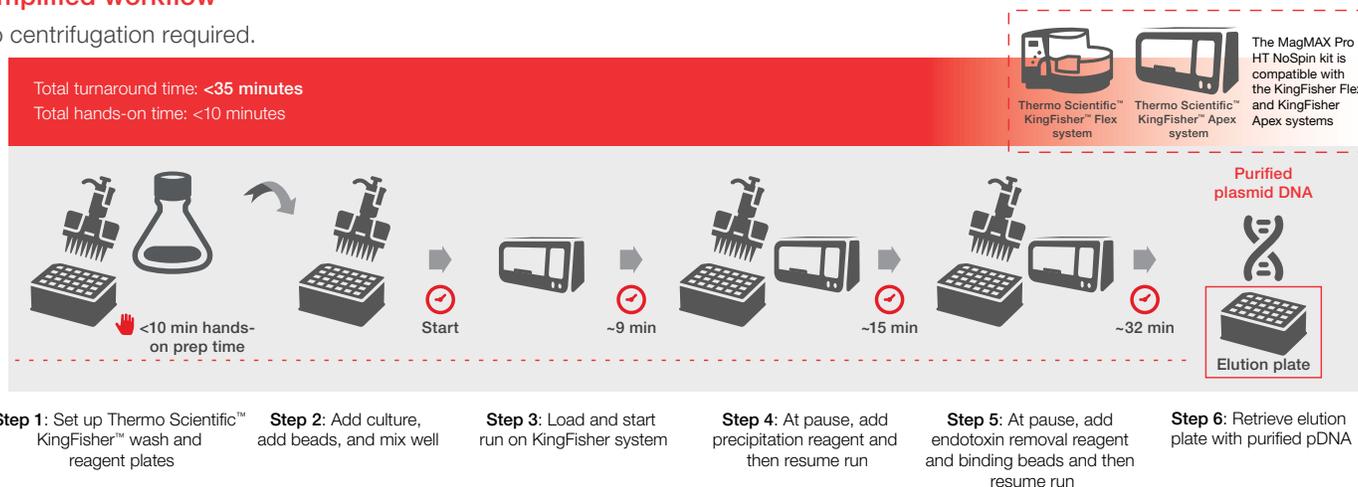


Figure 1. KingFisher system benchtop extraction workflow for plasmid DNA purification using the MagMAX Pro HT NoSpin Plasmid Miniprep Kit.

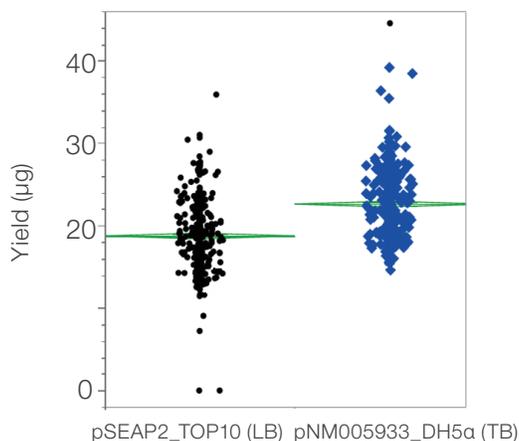


Figure 2. Plasmid DNA was purified using the MagMAX Pro HT NoSpin Plasmid Miniprep Kit with the KingFisher Apex Purification System. Plasmid DNA was isolated from 1 mL of *E. coli* culture grown overnight in either LB or TB (n=384 per plasmid). The size of the pSEAP2 plasmid is 5.1 kb and the size of pNM005933 is 11.4 kb. The green lines represent the average yield.

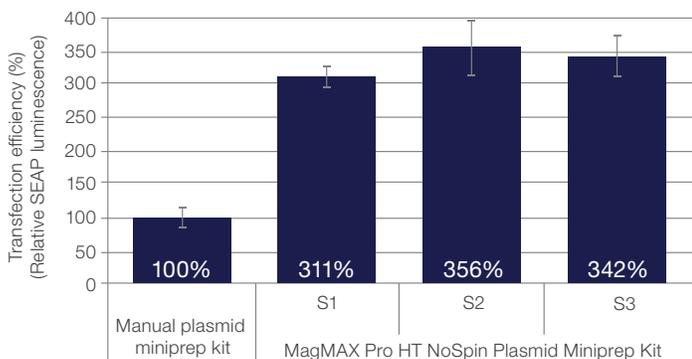


Figure 3. Transfection efficiency of plasmid DNA isolated using the MagMAX Pro HT NoSpin Plasmid Miniprep Kit compared to traditional column-based purification of plasmid DNA. S1, S2, and S3 represent three independent randomized samples from a single 96-well plate run.

Ordering information

Product	Quantity	Cat. No.
MagMAX Pro HT NoSpin Plasmid Miniprep Kit	96 rxn	A58309
	384 rxn	A58310
	1,152 rxn	A58311
	2,304 rxn	A58312

Exceptionally high yields of plasmid DNA

The magnetic bead technology of the MagMAX Pro HT NoSpin Plasmid Miniprep Kit delivers improved performance over traditional anion exchange and silica membrane technologies. Obtain up to 20 µg of ready-to-use, transfection-grade plasmid DNA per 1 mL of sample (Figure 2).

Ultra-high transfection efficiency

Plasmid DNA purified using the MagMAX Pro HT NoSpin Plasmid Miniprep Kit has a significantly higher transfection efficiency than column-based plasmid purification methods (Figure 3). This allows for a wide range of downstream applications, such as transfection into sensitive cell lines, preparation of short hairpin vectors, enzymatic modifications, cloning, restriction digestion, sequencing, and *in vitro* transcription/translation.

Learn more at thermofisher.com/plasmid