

invitrogen



## PureLink Expi Endotoxin-Free Plasmid Purification Kits with new maxi size

Get endotoxin-free plasmid DNA, in about half the time of current protocols

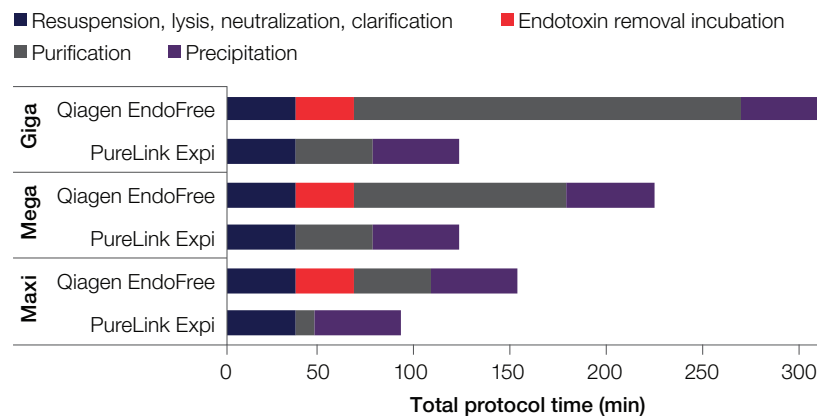
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Save up to 90 minutes preparing advanced-transfection endotoxin-free plasmid DNA for transfection of sensitive cell lines with Invitrogen™ PureLink™ Expi Endotoxin-Free Plasmid Purification Kits. Our enhanced resin in combination with the vacuum-assisted workflow dramatically reduces purification time to less than 90 minutes, about half the time of standard endotoxin-free protocols.

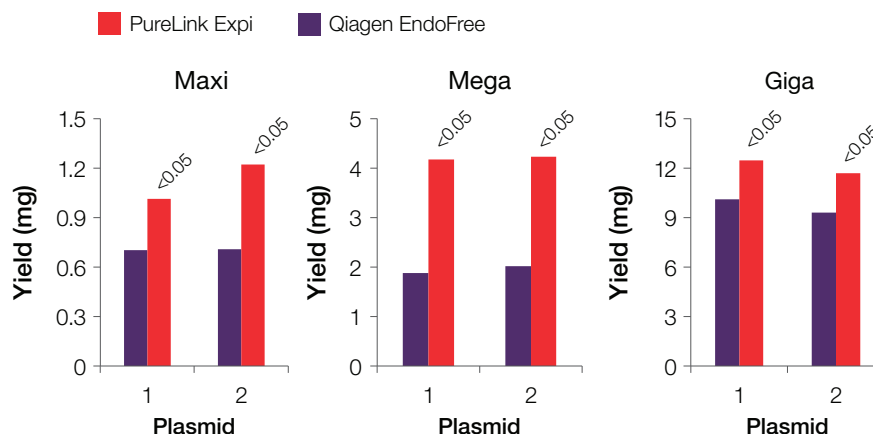
Our quick and simple protocol is designed to provide high yields of up to 1.5 mg (maxiprep), 5 mg (megaprep), or up to 15 mg (gigaprep) of high-quality endotoxin-free plasmid DNA suitable for advanced transfection applications. Our portfolio of endotoxin-free plasmid DNA purification products enables high throughput, reliability, and scalability. Recommended applications include transfection of sensitive cells (primary cells, stem cells), research on gene therapy, genome engineering, and protein expression.

PureLink Expi Endotoxin-Free Plasmid Purification Kits achieve high yields of endotoxin-free plasmid DNA fast that are free of RNA and genomic DNA contamination. Our endotoxin-free kits offer:

- **Substantial time savings**—purify endotoxin-free plasmid DNA in as little as 90 minutes (see Figure 1)
- **High yields**—isolate up to 1.5 mg, 5 mg, and 15 mg with maxiprep, megaprep, and gigaprep kits, respectively (see Figure 2)
- **High-quality, advanced transfection grade endotoxin-free plasmids**—get plasmid with less than 0.1 EU/μg, ideal for sensitive applications

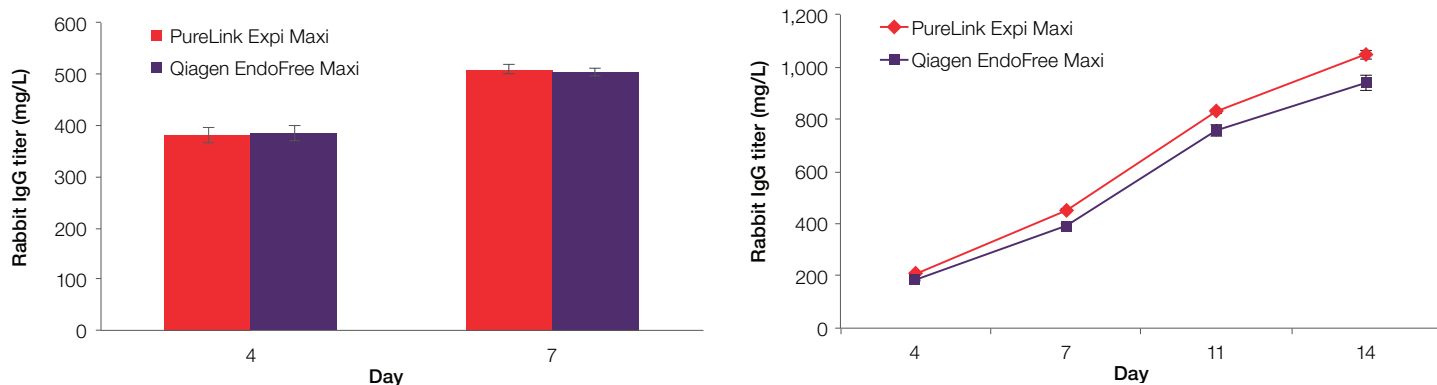


**Figure 1. Rapidly purify high yields of endotoxin-free plasmid DNA.** PureLink Expi kits enable high yields of endotoxin-free, advanced transfection-grade plasmid DNA in less time than Qiagen™ EndoFree™ kits. The combination of advanced anion-exchange technology and vacuum assistance reduces overall protocol time compared to Qiagen EndoFree gravity-flow kits.



**Figure 2. Achieve high yields of endotoxin-free, advanced transfection-quality plasmid DNA compared to competition.** A collection of 2 unique high-copy plasmids with different backbones were purified using PureLink Expi and Qiagen EndoFree maxiprep, megaprep, and gigaprep kits as described in the product manuals. Respective endotoxin values (EU/μg) are provided for PureLink Expi preps.

Our kits are compatible with Gibco™ ExpiCHO™ and Expi293™ transient mammalian expression systems (see Figure 3). The Gibco™ ExpiCHO™ Expression System combines the power of rapid,ultrahigh-yield transient protein production in suspension culture with the added benefit of expression. For researchers, protein expression and purification compatibility are suitable and beneficial for some downstream applications.



**Figure 3. Plasmid DNA purified with PureLink Expi Maxi kits is compatible with the Gibco™ Expi293™ and ExpiCHO Expression Systems.** Using the Expi293 (A) and ExpiCHO (B) Expression Systems, cells were transfected with positive controls of rabbit IgG heavy chain and light chain plasmids that were purified using the PureLink Expi Endotoxin-free Maxi Kit and the Qiagen EndoFree Maxi Kit. The titer values shown above fall within the expected outputs of the Expi Expression Systems.

## Ordering information

Product	Quantity	Cat. No.
PureLink Expi Endotoxin-Free Maxi Plasmid Purification Kit	4 preps	A33073
	10 preps	A31217
	25 preps	A31231
PureLink Expi Endotoxin-Free Mega Plasmid Purification Kit	4 preps	A31232
PureLink Expi Endotoxin-Free Giga Plasmid Purification Kit	2 preps	A31233
PureLink Expi Endotoxin-Free Buffer Set	NA	A33074

Find out more at [thermofisher.com/endofreeplasmid](http://thermofisher.com/endofreeplasmid)

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