

EndoFree® Kits

Eco-friendlier* and quicker plasmid DNA preparation for transfection

This fact sheet explains the inclusion of products in our Go Greener program. The program identifies products within the QIAGEN portfolio that are more eco-friendly compared with our traditional products. Replacement of the detergent used in the endotoxin-removal buffer, Buffer ER, of the updated EndoFree Plasmid Kit has made the kit more eco-friendly than the original kit while removing the need for ice and making the protocol 25 minutes faster (1).



EndoFree Plasmid Maxi Kit (10).

- **Less hazardous** – Triton® detergent was replaced with a more sustainable alternative detergent
- **Improved stability** – unlike the previous version of the kit, there is no need for incubation on ice

Less hazardous

The composition of Buffer ER in EndoFree Kits has been redesigned. The original Buffer ER contained a Triton detergent, which has an estrogenic effect and is listed as an endocrine disruptor (2). It was replaced in 2024 with a more sustainable alternative – in line with our commitment to making lab work more eco-friendly and in compliance with REACH regulations.

Improved stability

With the new buffer composition in the updated kit, the protocol could be made even faster by reducing a 30 minute incubation on ice to a five-minute incubation at room temperature. The reduced need for ice will save energy.

*As compared to the previous versions of these kits, prior to redesigning them in 2024.

Updated EndoFree Kits are safer and faster than before.

Ordering information

Product	Contents	Cat. no.
EndoFree Plasmid Maxi Kit (10)	10 QIAGEN-tip 500, Reagents, 10 QIAfilter Maxi Cartridges, Endotoxin-free Buffer	12362
EndoFree Plasmid Mega Kit (5)	5 QIAGEN-tip 2500, Reagents, 5 QIAfilter Mega-Giga Cartridges, Endotoxin-free Buffers	12381
EndoFree Plasmid Giga Kit (5)	5 QIAGEN-tip 10000, Reagents, 5 QIAfilter Mega-Giga Cartridges, Endotoxin-free Buffers	12391
Effectene Transfection Reagent (1 mL)	For 40 transfections in 60 mm dishes or 160 transfections in 12-well plates	301425
Effectene Transfection Reagent (4 x 1 mL)	For 160 transfections in 60 mm dishes or 640 transfections in 12-well plates	301427

To order online, visit www.qiagen.com/endofree-order

1. Kalasegaran T, von Groll U, Khani S, Porschewski P, Ponath Y EndoFree Plasmid Kit update: more sustainable and quicker DNA preparation for transfection. QIAGEN Application Note 2024 www.qiagen.com/AppNote-EndoFree
2. Candidate List of substances of very high concern for Authorisation. European Chemicals Agency website. Accessed December 12, 2024- <https://echa.europa.eu/candidate-list-table/-/dislist/details/0b0236e1807db570>

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