

Product Profile

QIAGEN® Plasmid *Plus* 96 Miniprep and BioRobot® Kits

For purification of transfection-grade plasmid DNA in 96-well format

QIAGEN Plasmid *Plus* 96 Miniprep and BioRobot Kits provide a novel method for plasmid preparation in 96-well format. Samples can be conveniently processed using the QIAvac 96 and/or a centrifuge or automated on the BioRobot Universal System. Due to the proprietary binding chemistry, up to 50 µg of transfection-grade plasmid DNA per well can be obtained from up to 5 ml of an *E. coli* culture.

Benefits of QIAGEN Plasmid *Plus* 96 Miniprep and BioRobot Kits:

- Transfection-grade plasmid DNA with very low endotoxin levels
- DNA purity comparable to anion-exchange preps
- High yields (up to 50 µg)
- Convenient handling and simple procedure
- Vacuum, centrifugation and automated processing options

High purity and very low endotoxin levels

QIAGEN Plasmid *Plus* 96 Miniprep and BioRobot Kits are based on QIAGEN Plasmid *Plus* technology. The innovative binding buffer included in kits ensures very specific binding conditions, providing DNA quality that is comparable to anion-exchange preps. This novel method provides highly pure, transfection-grade plasmid DNA using a simple bind-wash-elute procedure. The unique kit chemistry and design of the Plasmid *Plus* 96 plates allow high binding capacities. Kits include an endotoxin reduction buffer that effectively reduces bacterial endotoxins to levels typically lower than 1 EU/µg, providing plasmid DNA quality that is suitable for transfection into sensitive cell lines (Figures 1 and 2). ▶

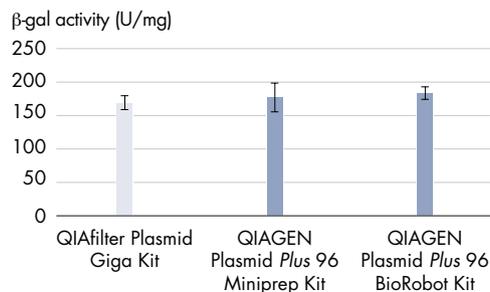


Figure 1. Highly efficient transfection in sensitive cell lines. pCMVβ DNA was prepared using the indicated preparation method. Huh-7 cells (4×10^4) were transfected using 200 ng plasmid DNA and 0.75 µl Attractene Transfection Reagent. β-gal activity and protein content were measured after 48 hours. Plasmid DNA prepared with QIAGEN Plasmid *Plus* 96 Miniprep and BioRobot Kits resulted in highly efficient transfection into sensitive cell lines.

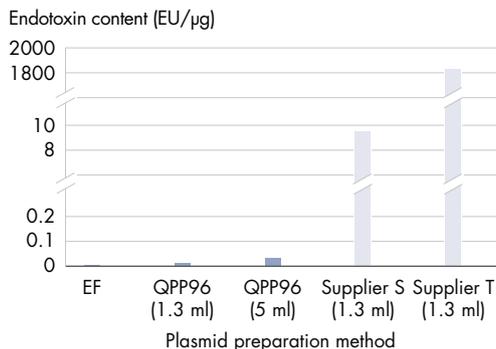


Figure 2. Very low endotoxin levels in plasmid DNA. pCMVβ plasmid DNA was purified from 1.3 ml and 5 ml *E. coli* DH10B cultures using the QIAGEN Plasmid *Plus* 96 Miniprep Kit and kits from other suppliers. Endotoxin levels were determined using the Kinetic-QCL® Kinetic Chromogenic Assay. For the EndoFree® Plasmid Giga Kit, the endotoxin content was 0.0005 EU/µg. **EF:** EndoFree Plasmid Giga Kit. **QPP96:** QIAGEN Plasmid *Plus* 96 Miniprep Kit.

Consistently high yields of ready-to-use plasmid DNA

QIAGEN Plasmid *Plus* technology delivers the same performance and quality as anion-exchange technology. High yields of up to 50 µg of transfection-grade plasmid DNA can be obtained.

Wide range of applications

Plasmid DNA purified using QIAGEN Plasmid *Plus* 96 Miniprep and BioRobot Kits is highly suitable for a wide variety of applications, including transfection into sensitive cell lines, preparation of short hairpin vectors (sh-vectors), enzymatic modifications, cloning, restriction digestion, sequencing and in vitro transcription/translation.

Ordering Information

Product	Contents	Cat. no.
QIAGEN Plasmid <i>Plus</i> 96 Miniprep Kit (4)*	For 4 x 96 plasmid minipreps: TurboFilter® 96 plates and Plasmid <i>Plus</i> 96 plates, buffers, reagents, flat-bottom blocks, S-Blocks, and elution microtubes	16181
QIAGEN Plasmid <i>Plus</i> 96 BioRobot Kit (4)†	For 4 x 96 plasmid minipreps: TurboFilter 96 plates and Plasmid <i>Plus</i> 96 plates, buffers, reagents, flat-bottom blocks, S-Blocks, and elution microtubes	960241

* Requires use of QIAvac 96 (cat. no. 19504) and Elution Microtube Adapter (available from QIAGEN Technical Services) or a centrifugation system suitable for 96-well blocks, such as the Centrifuge 4-16 (see www.qiagen.com for ordering information).

† For use with the BioRobot Universal System (cat. no. 9001094).

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

Visit www.qiagen.com for more information!

Trademarks: QIAGEN®, Sample to Insight®, BioRobot®, TurboFilter®, EndoFree® (QIAGEN Group); Kinetic-QCL® (BioWhittaker Technologies, Inc.).
© 2015 QIAGEN, all rights reserved. PROM-2785-002

Ordering www.qiagen.com/contact | Technical Support support.qiagen.com | Website www.qiagen.com