

Product Profile

QIAprep[®] 96 Plus Miniprep and BioRobot[®] Kits

For purification of up to 50 µg high-quality plasmid DNA in 96-well format

QIAprep 96 Plus Miniprep and BioRobot Kits provide a novel method for plasmid preparation in 96-well format. Samples can be 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 high-quality plasmid DNA* per well can be obtained from up to 5 ml of an *E. coli* culture.

Benefits of QIAprep 96 Plus Miniprep and BioRobot Kits:

- Consistently high yields of up to 50 µg
- High-purity preps suitable for a wide range of applications
- Vacuum, centrifugation and automated processing options

High-purity preps and outstanding yields

QIAprep 96 Plus Miniprep and BioRobot Kits provide a novel method for preparation of highly pure plasmid DNA. Yields of up to 50 µg can be consistently achieved using an optimized procedure which is based on an innovative binding chemistry (Figures 1 and 2). The unique binding buffer provided with kits ensures very specific binding conditions. The simple bind-wash-elute procedure results in highly concentrated plasmid DNA ready for direct use in downstream applications.

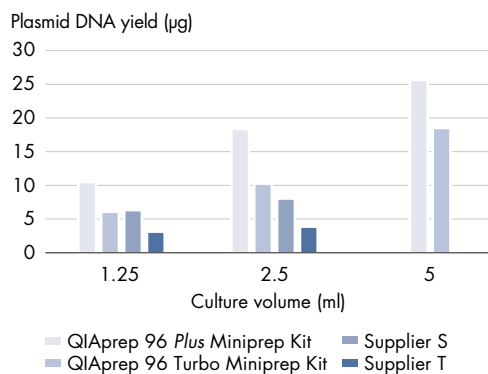


Figure 1. The QIAprep 96 Plus Miniprep Kit outperforms kits from other suppliers. *E. coli* DH5α strains carrying pCMVβ were grown in LB medium. Preps were performed according to the manufacturer's instructions. DNA was quantified using absorbance measurement and verified by agarose gel analysis. The QIAprep 96 Plus Miniprep Kit provided the highest yields compared to the other kits tested.

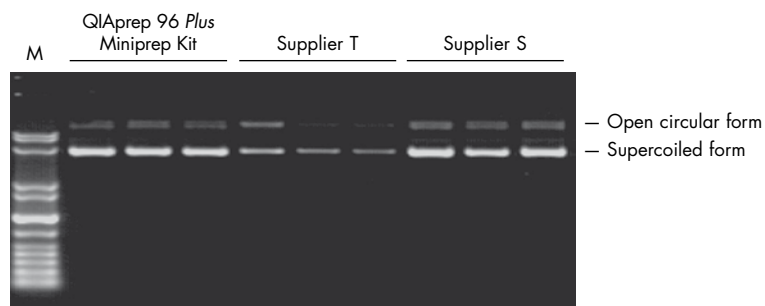


Figure 2. Superior plasmid DNA quality. pCMVβ DNA was prepared using the QIAprep 96 Plus Miniprep Kit and kits from other suppliers. For agarose gel analysis, 150 ng (as determined by absorbance measurement) of each sample was used. With the QIAprep 96 Plus Miniprep Kit, a high percentage of supercoiled plasmid DNA (lower band) was observed and absorbance measurements and agarose gel analysis were comparable, indicating superior plasmid DNA quality. **M:** GelPilot[®] 1 kb Plus Ladder (the most intense fragment corresponds to 100 ng).

* Endotoxin levels below 10 EU/µg.

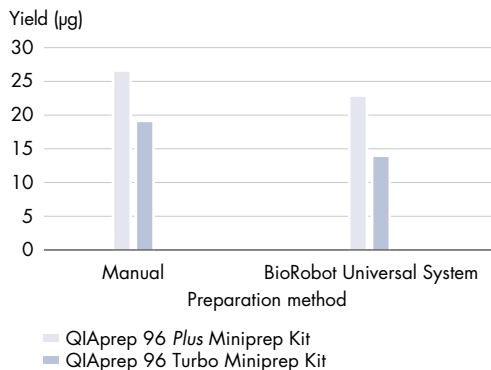


Figure 3. High yields of plasmid DNA. *E. coli* DH5 α strains carrying pCMV β were grown in 5 ml LB medium. Plasmid DNA was isolated manually using the QIAvac 96 and either the QIAprep 96 Plus Miniprep Kit or the QIAprep 96 Turbo Miniprep Kit or automated on the BioRobot Universal System using either the QIAprep 96 Plus BioRobot Kit or the QIAprep 96 Turbo BioRobot Kit. DNA was quantified using absorbance measurement and verified by agarose gel analysis. Higher yields were achieved with QIAprep 96 Plus Miniprep and BioRobot Kits.

Convenient and flexible processing

The QIAprep 96 Plus Miniprep Kit can be conveniently processed using the QIAvac 96 and/or a centrifuge, while preps can be automated on the BioRobot Universal System with the QIAprep 96 Plus BioRobot Kit (Figure 3). Optimized protocols ensure easy plasmid preparation in 96-well format.

Wide range of applications

Plasmid DNA purified using QIAprep 96 Plus Miniprep and BioRobot Kits is highly suited for use in a wide range of applications, including transfection into robust cell lines, preparation of short hairpin vectors (sh-vectors), enzymatic modifications, cloning, restriction digestion and in vitro transcription/translation.

Ordering Information

Product	Contents	Cat. no.
QIAprep 96 Plus Miniprep Kit (4)*	For 4 x 96 plasmid minipreps: TurboFilter® 96 plates and Plasmid Plus 96 plates, buffers, reagents, flat-bottom blocks, S-Blocks, and elution microtubes	27291
QIAprep 96 Plus BioRobot Kit (4)†	For 4 x 96 plasmid minipreps: TurboFilter 96 plates and Plasmid Plus 96 plates, buffers, reagents, flat-bottom blocks, S-Blocks, and elution microtubes	962241

* 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!

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