Quick-Start Protocol March 2016

QIAquick® 96 PCR Purification Kit

The QIAquick 96 PCR Purification Kit (cat. nos. 28181 and 28183) and the QIAquick 96 BioRobot® Kit (cat. no. 963141) can be stored at room temperature (15–25°C) for up to 12 months if not otherwise stated on label.

Further information

- *QIAquick Multiwell PCR Purification Handbook*: **www.qiagen.com/HB-2046**
- Safety Data Sheets: **www.qiagen.com/safety**
- Technical assistance: **support.qiagen.com**

Notes before starting

- This protocol is for cleanup of up to 10 µg PCR products (100 bp to 10 kb).
- Add ethanol (96–100%) to Buffer PE concentrate before use (see bottle label for volume).
- The QIAquick 96 PCR Purification System requires the use of the QIAvac 96 with a suitable vacuum source (e.g., a house vacuum or vacuum pump) that generates negative pressure between –100 and –600 mbar (–75 to –450 mm Hg).
- Switch off vacuum between steps to ensure that a consistent, even vacuum is applied during manipulations.
- When using the QIAquick 96 PCR BioRobot Kit, follow the instructions displayed on the BioRobot instrument.

1. Prepare the QIAvac 96 with a QIAquick 96-well plate, placing the waste tray inside the QIAvac base and the QIAvac top plate squarely over the base. Attach the QIAvac to a vacuum source. Seal unused wells of the QIAquick 96-well plate with tape, and place the QIAquick plate securely in the QIAvac top plate.
2. Add 3 volumes Buffer PM to 1 volume of the PCR sample and mix. It is not necessary to remove mineral oil or kerosene. Apply the samples to the wells of the QIAquick plate. Switch on vacuum.

3. After all liquid has passed through the membrane, switch off vacuum. Wash the QIAquick plate by adding 900 µl Buffer PE to each well and switch on vacuum.
4. Repeat step 3.
5. After Buffer PE has passed through the membrane in all wells, apply maximum vacuum for an additional 10 min to dry the membrane. This step removes residual Buffer PE from the membrane and is effective only when maximum vacuum is used, allowing maximum airflow through the wells.
6. Switch off vacuum and ventilate the QIAvac 96 slowly. To remove residual Buffer PE, lift the top plate from the base (the QIAquick 96 plate remains in the top plate), vigorously tap the top plate on a stack of absorbent paper until no drops come out and blot the nozzles of the QIAquick 96 plate with clean absorbent paper.
7. **For elution into the provided collection microtubes**: Replace the waste tray with the provided blue collection microtube rack containing 1.2 ml collection microtubes. Place the top plate back on the base.

   For elution into a 96-well microplate: Replace the waste tray with an empty blue collection microtube rack and place a 96-well microplate directly on the rack. Place the top plate back on the base.
8. To elute, add 80 µl Buffer EB (10 mM Tris·Cl, pH 8.5) or RNase-free water (provided) directly onto the center of each well of the QIAquick 96 plate, incubate for 1 min and switch on vacuum for 5 min. Switch off vacuum and ventilate the QIAvac 96 slowly. Resulting average eluate volume is 60 µl. Alternatively, for increased DNA concentration, use 60 µl elution buffer (resulting in an average eluate volume of 40 µl).

Scan QR code for handbook.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual.