Quick-Start Protocol November 2016

UltraClean® 96 PCR Cleanup Kit

The UltraClean 96 PCR Cleanup Kit can be stored at room temperature (15–25°C) until the expiry date printed on the box label.

Further information

- Safety Data Sheets: **www.qiagen.com/safety**
- Technical assistance: **support.qiagen.com**

Notes before starting

- Ensure that the centrifuge being used will accommodate the plates in this kit. Stack a QIAamp 96 Plate on top of an S-Block and place them in the plate holder rotor. **DO NOT start the centrifuge**. Turn the centrifuge slowly by hand to make sure that the stacked plates fit inside the centrifuge.
- Make sure you have a multi-channel pipettor that can accommodate 10 µl–1000 µl.
- This protocol assumes you will be processing 192 samples (two 96-well preps). If you plan to process fewer than 192 samples, divide your samples between the two plates evenly to ensure the centrifuge is balanced (see Troubleshooting Guide).

1. Shake to mix Solution SB before use. Add 5 volumes of Solution SB to PCR reaction.
   Note: If PCR/Solution SB volume is too large to fit in the PCR plate, use an S-Block.
2. Mix well by pipetting.
   Note: If an oil overlay was used, there will be two layers; the top layer is oil.
3. Place an S-Block under a QIAamp 96 Plate. The S-Block is reusable.
4. Transfer PCR/Solution SB mixture to the QIAamp 96 Plate. Avoid transferring any oil.
   Note: Any unused wells in the QIAamp 96 Plate may be used later.
5. Seal the wells with a piece of AirPore Tape Sheet.
6. Centrifuge the QIAamp 96 Plate/S-Block at 4500 x *g* for 3 min.

7. Remove the QIAamp 96 Plate and discard the flow-through from the S-Block.
8. Remove AirPore Tape Sheet. Place the QIAamp 96 Plate on the same S-Block.
9. Add 300 µl SpinClean to the QIAamp 96 Plate and seal the plate with a new piece of AirPore Tape Sheet.
10. Centrifuge at 4500 x *g* for 3 min.
11. Remove the QIAamp 96 Plate and discard the flow-through from the S-Block.
12. Replace the QIAamp 96 Plate on the same S-Block.
13. Centrifuge again at 4500 x *g* for 6 min.
14. Carefully transfer the QIAamp 96 Plate to a new rack of Elution Microtubes (provided).
15. Remove the AirPore Tape Sheet and allow to air dry for 10 min at room temperature.
16. Add 100 µl of Solution EB or sterile water to the center of the white spin filter membranes of the QIAamp 96 Plate.
    Note: Using Solution EB or water will not affect DNA yield. DNA is more stable when stored in Solution EB.
17. Seal the QIAamp 96 plate with a new AirPore Tape Sheet and centrifuge at 4500 x *g* for 3 min.
18. Remove the QIAamp 96 Plate from the Elution Microtubes. Seal the Elution Microtubes with provided caps. The DNA is now ready for downstream applications.
    Note: We recommend storing DNA frozen (–20° to –80°C) as Solution EB does not contain EDTA.