Quick-Start Protocol July 2016

QIAamp® UCP DNA Micro Kit

Store QIAamp UCP MinElute® columns immediately upon receipt at 2–8°C. Store the remaining kit components dry at room temperature (15–25°C). All kit components are stable for at least 12 months under these conditions.

Further information

- *QIAamp UCP DNA Micro Kit Handbook:* **www.qiagen.com/HB-2174**
- Safety Data Sheets: **www.qiagen.com/safety**
- Technical assistance: **support.qiagen.com**

Notes before starting

- Perform all centrifugation steps at room temperature (15–25°C).
- Set a thermal mixer to 56°C for use in step 4.
- Dilute Buffers AUW1 and AUW2 according to the labels on the bottles.
- If Buffer AUL or Buffer AUT contains precipitates, dissolve by heating to 70°C with gentle agitation.

Procedure

1. Pipet 1–100 µl sample into a 1.5 ml microcentrifuge tube (not provided). Add buffer AUT to a final volume of 100 µl.
2. Add 10 µl Proteinase K.
3. Add 100 µl of Buffer AUL to the sample. Close the cap and mix by pulse-vortexing for 15 s.
4. Incubate the sample at 56°C for 10 min. Briefly centrifuge the 1.5 ml tube to remove drops from the inside of the lid.

5. Add 50 µl ethanol to the lysate. Close the cap, and mix thoroughly by pulse-vortexing for 15 s. Incubate for 3 min at room temperature. Briefly centrifuge the 1.5 ml tube to remove drops from inside the lid.
6. Carefully apply the mixture from step 5 to the QIAamp UCP MinElute spin column without wetting the rim. Close the cap and centrifuge at 6000 *x g* for 1 min. Place the spin column in a clean 2 ml collection tube (provided), and discard the tube containing the filtrate. Close each spin column to avoid aerosol formation during centrifugation.
Note: Flow-through containing Buffer AUL or AUW1 is not compatible with bleach.
7. Carefully open the spin column and add 500 µl Buffer AUW1 without wetting the rim. Close the cap and centrifuge at 6000 *x g* for 1 min. Place the spin column in a clean 2 ml collection tube (provided), and discard the collection tube containing the filtrate.
8. Carefully open the spin column and add 500 µl Buffer AUW2 without wetting the rim. Close the cap and centrifuge at 6000 *x g* for 1 min. Place the spin column in a clean 2 ml collection tube (provided), and discard the collection tube containing the filtrate.
9. To completely dry the membrane, centrifuge the spin column at full speed (20,000 *x g*) for 3 min. Place the spin column in a clean 1.5 ml elution tube (not provided) and discard the collection tube.
10. Carefully apply 20–100 µl of Buffer AUE to the center of the spin column membrane. Close the lid and incubate at room temperature for 1 min.
Important: Ensure that the elution buffer is equilibrated to room temperature.
11. Centrifuge at full speed (20,000 *x g*) for 1 min to elute the DNA.
12. Repeat steps 10 and 11 to increase yield. Re-use the first eluate if higher concentrations are required.

Scan QR code for handbook.

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