

QIAamp[®] Blood Mini Kit

The QIAamp Blood Mini Kit (cat. nos. 51104 and 51106) can be stored at room temperature (15–25°C) for up to 12 months. Reconstituted QIAGEN Protease is stable for 12 months when stored at 2–8°C.

Further information

- *QIAamp DNA Mini and Blood Mini Handbook*: www.qiagen.com/HB-0329
- 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).
- Dissolve any precipitates in Buffer AL by warming at 56°C until the precipitate has dissolved.
- Add ethanol to Buffer AW1 and Buffer AW2 concentrates, as indicated on the bottle.
- Add Protease Solvent to lyophilized QIAGEN Protease, as indicated on the label.
- Equilibrate samples to room temperature (15–25°C).
- Preheat a water bath or heating block to 56°C.

Procedure

1. Pipet 20 µl QIAGEN Protease into a 1.5 ml microcentrifuge tube. Add 200 µl sample.
If the sample volume is less than 200 µl, add the appropriate volume of PBS.
2. Add 200 µl Buffer AL. Mix thoroughly by vortexing.
3. Incubate at 56°C for 10 min. Briefly centrifuge the 1.5 ml microcentrifuge tube to remove drops from the lid.



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4. Add 200 μ l ethanol (96–100%). Mix thoroughly by vortexing. Briefly centrifuge the tube to remove drops from the lid.
 5. Pipet the mixture onto the QIAamp Mini spin column (in a 2 ml collection tube) and centrifuge at 6000 $\times g$ (8000 rpm) for 1 min. Discard the flow-through and collection tube.
Note: When preparing DNA from buffy coat or lymphocytes, centrifugation at full speed is recommended to avoid clogging.
 6. Place the QIAamp Mini spin column in a new 2 ml collection tube and add 500 μ l Buffer AW1. Centrifuge at 6000 $\times g$ (8000 rpm) for 1 min. Discard the flow-through and collection tube.
 7. Place the QIAamp Mini spin column in a new 2 ml collection tube and add 500 μ l Buffer AW2. Centrifuge at full speed (20,000 $\times g$; 14,000 rpm) for 3 min. Discard the flow-through and collection tube.
 8. **Recommended:** Place the QIAamp Mini spin column in a new 2 ml collection tube (not provided) and centrifuge at full speed for 1 min. This eliminates the chance of possible Buffer AW2 carryover.
 9. Place the QIAamp Mini spin column in a new 1.5 ml microcentrifuge tube (not provided), add 200 μ l Buffer AE or distilled water and incubate at room temperature (15–25°C) for 1 min. Centrifuge at 6000 $\times g$ (8000 rpm) for 1 min to elute the DNA.
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Scan QR code for handbook.

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

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