

# RNeasy® 96 Universal Tissue 8000 Kit

The RNeasy 96 Universal Tissue 8000 Kit (cat. no. 967852) can be stored at room temperature (15–25°C) for up to 9 months if not otherwise stated on label.

## Further information

- *RNeasy 96 Universal Tissue 8000 Handbook*: [www.qiagen.com/HB-2060](http://www.qiagen.com/HB-2060)
- Safety Data Sheets: [www.qiagen.com/safety](http://www.qiagen.com/safety)
- Technical assistance: [support.qiagen.com](mailto:support.qiagen.com)

## Notes before starting

- For more information, including optional DNase treatment and general handling advice, refer to the handbook.
  - Flash-frozen or tissue stabilized in RNA<sup>later</sup>® RNA Stabilization Reagent can be used.
  - QIAzol® Lysis Reagent and Buffer RW1 contain a guanidine salt, and are therefore not compatible with disinfecting reagents containing bleach.
  - All centrifugation steps in the protocol are performed in a Centrifuge 4-16K.
  - Steps 10 and 13 are performed at 4°C. All other steps are performed at room temperature (15–25°C). Avoid interruptions during the procedure.
  - Add 4 volumes of ethanol (96–100%) to Buffer RPE concentrate before use.
  - Equilibrate all buffers to room temperature.
1. Switch on the BioRobot® workstation, the computer and the monitor.
  2. Launch the QIAsoft Operating System.
  3. Place 5 mm stainless steel beads into the collection microtubes (1 bead per tube) and transfer the collection microtube rack to a box with dry ice.
  4. Remove the tissue sample from RNA<sup>later</sup> RNA Stabilization Reagent or from cold storage. Do not allow the tissue to thaw before it is placed in QIAzol Lysis Reagent.

5. Determine the amount of tissue. Do not use more than 40 mg flash-frozen tissue, 20 mg liver, thymus, spleen, intestine or 80 mg adipose tissue. Use half of these amounts when working with tissues stabilized in RNA<sup>later</sup> RNA Stabilization Reagent. Transfer it immediately to a cooled collection microtube. Repeat this until all required pieces of tissues are placed in the collection microtubes.
6. Remove the collection microtube rack from the dry ice, and immediately pipet 750  $\mu$ l QIAzol Lysis Reagent into each collection microtube.
7. Close the collection microtube rack using the supplied strips of collection microtube caps and homogenize on the TissueLyser II for 5 min at 25 Hz.
8. Rotate the TissueLyser rack to allow even homogenization, and homogenize for another 5 min at 25 Hz.
9. Incubate homogenates at room temperature (15–25°C) for 5 min.
10. Load the collection microtube rack into the holder, and place it in the rotor bucket. Centrifuge at 6000  $\times$  *g* (approximately 5600  $\times$  rpm) for 1 min at 4°C to collect liquid from the caps.
11. Add 150  $\mu$ l chloroform. Securely cap the collection microtube rack using new strips of caps, and shake it vigorously while inverting the rack for 15 s.
12. Incubate at room temperature for 2–3 min.
13. Centrifuge at 6,000  $\times$  *g* for 15 min at 4°C.
14. Select **RNeasy 96 Universal Tissue** from the protocol selection box.
15. Click to start the protocol. Follow the steps detailed in each protocol message before proceeding to the next protocol message.
16. At the end of the protocol, follow the protocol messages which guide you through the steps to clean up the BioRobot workstation.
17. Use the elution microtube caps (caps for strips) provided to seal the microtubes for storage. Store RNA at –20°C or at –70°C.



Scan QR code for handbook.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. Trademarks: QIAGEN®, Sample to Insight®, QIAzol®, BioRobot®, RNeasy® (QIAGEN Group); "RNA<sup>later</sup>" is a trademark of AMBION, Inc., Austin, Texas and is covered by various U.S. and foreign patents. 1102240 04/2016 HB-1283-002 © 2016 QIAGEN, all rights reserved.