

EZ2[®] RNA FFPE Kit

The EZ2 RNA FFPE Kit (cat. no. 959734) is shipped at room temperature (15–25°C). Upon receipt, store the DNase I at 2–8°C. Store all other kit components dry at room temperature.

Further information

- *EZ2 RNA FFPE Kit Handbook*: www.qiagen.com/HB-2966
- Safety Data Sheets: www.qiagen.com/safety
- Technical assistance: www.support.qiagen.com

Notes before starting

- FFPE tissue sections of 5–10 µm thickness can be processed, totaling up to 4 mm³ of tissue. If it is not possible to calculate the exact amount of tissue, use no more than 2 sections of 5–10 µm thickness each
- When using RNase-Free DNase I for the first time, resuspend it as described in the handbook. Mixing should only be carried out by gently inverting the vial.
- Preheat a thermomixer at 56°C for use in step 3.
- Before loading reagent cartridges into the EZ2 Connect instrument, invert them 4 times to mix the magnetic particles and then tap to deposit the reagents at the bottom of the wells.

Procedure

1. Place the FFPE sections at the bottom of a 2 ml microcentrifuge tube.
2. Add 300 µl Paraffin Removal Solution, vortex vigorously for 10 s, and centrifuge briefly to bring the sample to the bottom of the tube.
3. Incubate for 3 min at 56°C.

Optional: Vortex again after incubation, then briefly centrifuge the tube to remove drops from the inside of the lid and collect tissue at the bottom of the tube.

EZ2 preparation

4. Turn on the EZ2 Connect instrument.

5. Tap on the RNA Applications panel and select the **RNA FFPE Kit** and press **Next**. Follow the on-screen instructions for selection of protocol, parameter definition, sample position selection, sample IDs, and worktable setup.
6. Load the EZ2 RNA FFPE reagent cartridges into the EZ2 Connect Cartridge Rack.
7. Place the 2 ml tube containing sample from step 3 into position 11 of the reagent cartridge (positions are labelled by engravings).
8. Open the instrument hood and load the EZ2 Connect Cartridge Rack.
9. Remove the caps of all tubes and prepare the EZ2 Connect Tip Rack as follows (positions are labelled by engravings on the EZ2 Connect Tip Rack):
 - Position A: 1.5 ml tube with 10 µl DNase I stock solution + 16 µl DNase Booster
 - Position B: Tip holder with Filter Tip
 - Position C: Tip holder with Filter Tip
 - Position D: 1.5 ml tube
10. Place the EZ2 Connect Tip Rack into the EZ2 Connect instrument and start the protocol following instructions on the instrument display.
11. The display will show “**Protocol finished**” when the run is completed. Select **Finish**. Open the instrument hood. Remove the 1.5 ml tube containing 50 or 100 µl purified RNA from position D of the EZ2 Connect Tip Rack. Discard the used EZ2 cartridge including the liquid waste.

Optional: Follow onscreen instructions for UV decontamination.
12. Perform regular maintenance after each run.



Scan QR code for handbook.

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