

EZ1&2™ DNA Tissue Kit

For usage of EZ1&2 DNA Tissue Kit with EZ1® instruments please refer to the respective handbook (www.qiagen.com/HB-0196) and quick-start protocol (www.qiagen.com/HB-0784).

The EZ1&2 DNA Tissue Kit (cat. no. 953034) can be stored at room temperature (15–25°C) until the indicated expiration date. Do not freeze the reagent cartridges. To prolong the lifetime of Proteinase K, storage at 2–8°C is recommended.

Further information

- *EZ1&2 DNA Tissue Handbook for use with EZ2 Connect instruments:*
www.qiagen.com/HB-2974
- Safety Data Sheets: www.qiagen.com/safety
- Technical assistance: support.qiagen.com

Notes before starting

- The buffer in well 1 of the reagent cartridge may form a precipitate upon storage. If necessary, redissolve by warming at 37°C and then place at room temperature.
- Before loading reagent cartridges into the EZ2 instrument, invert the cartridges 4 times to mix the magnetic particles, then tap to deposit the reagents at the bottom of their wells. Check that the magnetic particles are completely resuspended.

Procedure

1. Prepare samples according to the appropriate procedure in the *EZ1&2 DNA tissue Handbook*. The amount of starting material for different sample types is shown in Table 1.

Table 1. Amount of starting material for different sample types

Sample type	Amount of starting material
Tissue	10–40 mg (approx. 200 µL volume after Proteinase K digestion)
Buccal cells	1 swab or brush (approx. 200 µL volume after Proteinase K digestion)
Dried blood	Four 3 mm diameter discs
Cultured cells	2 × 10 ⁶ cells (resuspended in 200 µL Buffer G2)
Bacteria in primary samples	200 µL
Bacteria culture samples	200 µL culture or resuspended colonies, fresh, or frozen

2. Turn on the EZ2 Connect instrument.
3. Tap **DNA** on the Applications panel, select the **EZ1&2 DNA Tissue Kit**, and press **Next**.
4. Follow onscreen instructions for selection of protocol, parameter definition, sample position selection, sample IDs, and worktable setup.
5. Load the EZ1&2 DNA Kit reagent cartridges into the EZ2 Connect Cartridges Rack.
6. Open the instrument hood. Load the EZ2 Connect Cartridge Rack into the EZ2 Connect Instrument.
7. Prepare the EZ2 Connect Tip Rack as follows (position labels are engraved on the EZ2 Connect Tip Rack):
 - Position A: Opened 2.0 mL tube with sample
 - Position B: Empty
 - Position C: Tip holder with inserted tip
 - Position D: Opened 1.5 mL empty elution tube
8. Place the EZ2 Connect Tip Rack into the EZ2 Connect instrument and start the run according to the instructions on the instrument display.
 The display will show “Protocol finished” when the run is completed. Select **Finish**. Open the instrument hood. Remove the elution tube containing purified nucleic acid from position 1 of the EZ2 Connect Tip Rack. Discard the used EZ2 cartridge including the liquid waste.
Optional: Follow onscreen instructions for UV decontamination of worktable surfaces.
9. Perform regular maintenance after each run. Press **Finish** to return to home screen.

Document Revision History

Date	Changes
November 2022	Initial release



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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