

## Quick-Start Protocol

# EZ1&2™ Virus Mini Kit v2.0

## For use with EZ2® Connect instruments

For usage of EZ1&2 Virus Mini Kit v2.0 with EZ1® instruments, please refer to the respective handbook ([www.qiagen.com/HB-0113](http://www.qiagen.com/HB-0113)) and quick-start protocol ([www.qiagen.com/HB-0787](http://www.qiagen.com/HB-0787)). The EZ1&2 Virus Mini Kit v2.0 (cat. no. 955134) can be stored at room temperature (15–25°C) until the indicated expiration date. Do not freeze the reagent cartridges.

### Further information

- *EZ1&2 Virus Handbook for use with EZ2 Connect instruments:* [www.qiagen.com/HB-2978](http://www.qiagen.com/HB-2978)
- Safety Data Sheets: [www.qiagen.com/safety](http://www.qiagen.com/safety)
- Technical assistance: [support.qiagen.com](http://support.qiagen.com)

### Notes before starting

- The buffer in well 1 of the reagent cartridge may form a precipitate upon storage. If necessary, re-dissolve by warming at 37°C and then place at room temperature (15–25°C).
- Before loading reagent cartridges into the EZ2 Connect instrument, invert the cartridges four times to mix the magnetic particles, and then tap to deposit the reagents at the bottom of their wells. Check that the magnetic particles are completely resuspended.

### For processing tissue

1. If necessary, pretreat samples according to the appropriate procedure, as described in the *EZ1&2 Virus Handbook*. See Table 1 for information on which sample types require pretreatment, as well as accessories required for pretreatment.

**Table 1. Sample materials compatible with EZ1&2 Virus Mini Kit v2.0**

| Sample type   | Pretreatment needed | Pretreatment accessories | Ordering information                           |
|---|---------------------|--------------------------|--|
| Serum, plasma, cerebrospinal fluid, transport media | No                  | –                        | –  |
| Urine, whole blood, dried swabs*                    | Yes*                | Buffer ATL               | Cat. no. 939011                                |
| Stool*  | Yes*                | Buffer ASL               | Cat. no. 19082                                 |
| Respiratory samples*                                | Yes*                | Sputasol                 | <a href="http://www.oxid.com">www.oxid.com</a> |

\* Information about specific pretreatment procedures is provided in the *EZ1&2 Virus Handbook*.

2. Turn on the EZ2 Connect instrument.

3. Tap “Virus” on the Applications panel, and then select “Virus Mini Kit v2.0” and press **Next**.
4. Choose the “Virus” protocol and press **Next**.
5. Choose sample and elution volume and press **Next**.
6. Select positions on the work deck according to the number of samples to be processed and press **Next**.
7. Enter sample IDs or press **Generate missing sample IDs**. Then press **Next**.
8. Load the EZ1&2 Virus reagent cartridges into respective positions of the EZ2 Connect Cartridge Rack, as selected in step 7.
9. Place empty non-skirted tubes into position 11 of the cartridges.
10. Open the instrument hood. Load the EZ2 Connect Cartridge Rack into the EZ2 Connect instrument.
11. Remove caps of all tubes and prepare the EZ2 Connect Tip Rack as follows:
  - Position A: 2.0 mL sample tube
  - Position B: 1.5 mL tube with Carrier RNA
  - Position C: Tip holder with Filter Tip
  - Position D: 1.5 mL empty elution tube
 Press **Next**.
12. Place the EZ2 Connect Tip Rack into the EZ2 Connect instrument and start the run according to the instructions on the instrument display.
13. The display will show “Protocol finished” when the run is completed. Select **Finish**.
14. Open the instrument hood. Remove the elution tube containing purified nucleic acid from position D of the EZ2 Connect Tip Rack. Discard the used cartridge including the liquid waste.
 

**Optional:** Follow onscreen instructions for UV decontamination of worktable surfaces.
15. Perform regular maintenance after each run. Press **Finish** to return to the home screen.

## Document Revision History

| Date | Changes |
|------|---------|
|------|---------|

|         |                 |
|---------|-----------------|
| 03/2023 | 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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