

# MagAttract<sup>®</sup> Viral RNA M48 Kit

The MagAttract Viral RNA M48 Kit (cat. no. 955235) can be stored at 2–8°C. Do not freeze MagAttract Suspension F.

## Further information

- *MagAttract Viral RNA M48 Handbook*: [www.qiagen.com/HB-0347](http://www.qiagen.com/HB-0347)
- Safety Data Sheets: [www.qiagen.com/safety](http://www.qiagen.com/safety)
- Technical assistance: [support.qiagen.com](http://support.qiagen.com)

## Notes before starting

- Ensure that you are familiar with operating the BioRobot<sup>®</sup> M48 workstation. Refer to the *BioRobot M48 User Manual* for operating instructions.
  - The purified viral RNA can be eluted in 50 µl, 65 µl, 80 µl or 100 µl elution buffer (Buffer MFE). Elution in smaller volumes increases the final RNA concentration in the eluate but slightly reduces overall RNA yield. We recommend using an elution volume appropriate for the intended downstream application.
  - This protocol purifies both RNA and DNA. Use RNase-free DNase to remove DNA if performing sensitive downstream applications.
  - **Optional:** The addition of β-mercaptoethanol (β-ME) to Buffer MFL will slightly improve the yield and quality of viral RNA. Add 10 µl β-ME per 1 ml Buffer MFL just before use. Buffer MFL is stable at 4°C for 3 months after opening. After addition of β-ME to an aliquot of Buffer MFL, the solution must be used up on the same day.
1. Distribute 300 µl serum or plasma into 1.5 ml sample tubes.  
**Note:** If using frozen samples, thaw at room temperature (15–20°C) and mix well by inverting the tubes. Avoid repeated freezing and thawing of the samples.
  2. Switch on the BioRobot M48, before switching on computer and monitor.
  3. Launch the QIAsoft M Operating System.

4. Select the **Infectious Disease** protocol group from the drop-down menu by clicking the dark green arrow, and then select **Viral NA**.
5. Select the **Viral RNA** protocol and click the **Select** button to choose the type of elution tube. Enter the number of samples and the sample and elution volumes. The software will guide you through the remaining steps required to set up the BioRobot M48 for the selected protocol.

**Note:** Ensure that the appropriate cooling block is installed at the **Heat/Cool Block 2** slot of the worktable. For details, refer to the *BioRobot M48 User Manual*.

6. Place the sample tubes, reagent containers, and plasticware on the worktable, according to software instructions.
7. Close the workstation door and start the protocol when instructed by the software. All subsequent steps are automated. The software displays a table of results when the protocol is finished.
8. Retrieve the elution tubes containing the purified viral RNA from the cooling block. The viral RNA is ready to use or can be stored at 2–8°C for a few hours or at –20°C to –70°C for long-term storage.

**Note:** Carryover of magnetic particles in eluates will not affect most downstream applications, including RT-PCR. To remove magnetic particles (e.g., for applications such as real-time PCR), apply elution tubes containing eluates to a suitable magnetic separator (e.g., QIAGEN 12-Tube Magnet, cat. no. 36912, for 1 min) and transfer the eluates to clean tubes. If a suitable magnetic separator is not available, centrifuge the tube containing the RNA for 1 min at full speed in a microcentrifuge to pellet any remaining magnetic particles.

9. Residual reagents should be removed immediately from the workstation and either transferred to an airtight container for later use or discarded.



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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