June 2021

Quick-Start Protocol

MagAttract® Viral RNA Kit on KingFisher® Flex

This protocol describes the use of the MagAttract Viral RNA Kit (cat. no. 955538) with the KingFisher Flex instrument.

All reagents and kit components should be stored at room temperature (15–25°C).

Further information

- MagAttract Viral RNA Kit Handbook: **www.qiagen.com/HB-2894**
- Kit software protocol for KingFisher Flex: **www.qiagen.com/KingFisherFlex-software-protocols**
- Safety Data Sheets: **www.qiagen.com/safety**
- Technical assistance: **support.qiagen.com**

Notes before starting

- Download the software protocol from MagAttract Viral RNA product page and install it on KingFisher Flex instrument.
- Prepare Buffer QSB1 and Buffer MW1 according to the instructions on the bottles.
- Ethanol (80%) is required in this protocol and needs to be supplied by the user.
- Add carrier RNA, reconstituted in Buffer AVE, to Buffer ACL (2 ml carrier RNA–AVE solution to 15 ml Buffer ACL per each 96-well plate that will be processed).

Procedure

1. Start the KingFisher Flex instrument and select the MagAttract Viral RNA protocol (see "Notes before starting").
2. Add 5 µl Proteinase K per well of a clean KingFisher 96 deep-well plate (user provided).

3. Transfer 300 µl sample to each well of the plate.
4. Resuspend MagAttract Suspension G Beads by vortexing. For each complete 96-well plate to be processed, prepare a mixture of 17 ml Buffer ACL containing carrier RNA (see "Notes before starting"), 27.5 ml Buffer QSB1, and 2.5 ml of MagAttract Suspension G. Immediately transfer to a multi-channel pipette reservoir.

   Note: Maintain the MagAttract Suspension G Beads in suspension to ensure uniform distribution.
5. Add 470 µl of the mix from step 4 with a multichannel pipette to each well of the KingFisher 96-well plate from step 3.
6. Place the sample plate on the work deck of the KingFisher Flex instrument at the specified location as indicated on the instrument display.
7. Prepare four KingFisher 96-well plates (user provided):
   7a. Add 500 µl of Buffer MW1 into each well of one KingFisher 96 deep-well plate.
   7b. Add 500 µl of 80% ethanol (user provided) into each well of two KingFisher 96 deep-well plates.
   7c. Add 80 µl Buffer AVE into each well of one KingFisher 96 microplate.

   Place each plate on the deck as indicated on the instrument display.
8. Initiate the protocol run.
9. Upon completion, cover the wells of the KingFisher 96 microplate containing eluate with an appropriate storage seal (user provided). The RNA is now ready for downstream applications.

Document Revision History

Date	Changes
06/2021	Initial release

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual.

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