

Quantitative Synthetic RNA from SARS-Related Coronavirus 2

Catalog No. NR-52358

For research use only. Not for human use.

Contributor and Manufacturer:
ATCC®

Product Description:

Quantitative synthetic RNA from SARS-related coronavirus 2 can be used for assay development, verification, validation, monitoring of day-to-day test variation and lot-to-lot performance of molecular-based assays. The quantitative format allows for the generation of a standard curve for quantitative PCR (qPCR) to determine viral load.

Preparation includes fragments from the ORF 1ab, Envelope (E) and Nucleocapsid (N) regions.

The following primers and probe can be used with this nucleic acid preparation: Forward primer (5' to 3'): GACCCAAAATCAGCGAAAT; Reverse primer (5' to 3'): TCTGGTACTGCCAGTTGAATCTG; Probe (5' to 3'): FAM/ACCCCGCATTACGTTTGGTGGACC/BHQ1.

Material Provided:

Each vial contains approximately 110 µL of synthetic RNA in RNAsable (Biomatrix® 52201-013). The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-52358 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Quantitative Synthetic RNA from SARS-Related Coronavirus 2, NR-52358."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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