**Source:** Genomic RNA from Severe acute respiratory syndrome-related coronavirus 2  
**Designation:** 2019-nCoV/Italy-INMI1  
**Description:** ATCC® Genuine Nucleics 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.  
**Note:** RNA is easily degraded. Take extra precautions against contamination by using new gloves and clean lab coats when working with RNA. Use only RNase-free lab materials when handling this product. Vortexing can damage the RNA. Gentle pipetting is highly recommended. Aliquoting is highly recommended to avoid multiple freeze-thaws, which can damage the RNA.

**Preparation Procedure**

1. Thaw the vial on wet ice. Avoid exposing the RNA to repeated freeze-thaw cycles as it may result in degradation.  
2. Gently mix the sample to ensure an even distribution of material.  
3. Briefly centrifuge the tube before opening to ensure all liquid is at the bottom.

**Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

**ATCC Warranty**

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