Please read this FIRST

**Biosafety Level:** 1

**Storage Temp.:** -70°C or colder

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**Product Sheet**

**Quantitative Synthetic Dengue virus type 1 RNA (ATCC® VR-3228SD™)**

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**Intended Use**

This product is intended for research and diagnostic use only. It is not intended for any animal or human therapeutic use. The synthetically engineered sequence of the product constitutes intellectual property belonging to ATCC. Unauthorized use, including sequencing, modification, or reverse-engineering, of the product is expressly prohibited without prior ATCC consent.

**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Quantitative Synthetic Dengue virus type 1 RNA (ATCC® VR-3228SD™)

**Nucleic Acid Information**

Specification range: \(1 \times 10^5 \) - \(1 \times 10^6\) copies/µL

**Preparation Procedure**

1. Thaw the vial at room temperature and immediately place on ice. Avoid exposing the synthetic RNA to repeated freeze-thaw cycles as it may result in degradation of the RNA and variation in copy number.
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.

**Quality Control Information**

Manufactured under ISO 13485 guidance

**Biosafety Level:** 1

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**

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

**Disclaimers**

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org).

Additional information on this culture is available on the ATCC website at [www.atcc.org](http://www.atcc.org).

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