



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Institute of Standards and Technology**  
Gaithersburg, Maryland 20899-0001

DATE: 15 April 2020

**Product Identifier**

**RGTM Number:** 10169

**RGTM Name:** SARS-CoV-2 Synthetic RNA Fragments

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Research Grade Test Material (RGTM) is NOT classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified. There are no hazard pictograms, hazard statements or signal word associated with it. Safety Data Sheet information is not required. This document may be used in conjunction with your hazard communication program.

**Exemption:** 1910.1200(b)(6)(xii). This RGTM is a biological material and should be considered a potential biological hazard.

**Description:** RGTM 10169 is FOR RESEARCH USE, intended for the harmonization of SARS-CoV-2 assays. This material DOES NOT CONTAIN ACTUAL VIRUS. A unit of RGTM 10169 consists of two to five vials, each containing approximately 100  $\mu$ L of a buffer solution (1 mM sodium citrate, pH 6.5) containing synthetic SAR-CoV-2 RNA and T Cell Leukemia (Jurkat) RNA.

**Additional Notes for Biomaterials:** Part of this RGTM is from A HUMAN-SOURCE MATERIAL. The background RNA is from a human cell line (Jurkat), whereas the SARS-CoV-2 RNA fragments are synthetic. Since there is no consensus on the infectivity of extracted nucleic acid from human-source material, handle RGTM 10169 components as Biosafety Level 1 materials potentially capable of transmitting infectious disease, as recommended by the Centers for Disease Control and Prevention (CDC) and the National Institutes of Health (NIH).

**Disposal:** RGTM 10169 components and derived solutions should be disposed of in accordance with local, state, and federal regulations.

**Transport Information:** This material is not regulated by the U.S. Department of Transportation (DOT) and/or International Air Transport Association (IATA).

**Disclaimer:** This document was prepared carefully, using current references. Users of this RGTM should ensure that this document in their possession is current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail [srmmstds@nist.gov](mailto:srmmstds@nist.gov); or via the Internet at <https://www.nist.gov/srm>.