



**\*SARS-Related Coronavirus 2 (SARS-CoV-2)  
Isolate: USA-WA1/2020  
Purified Viral Lysate (0.5 mg)**

Catalog Number: 0810587-0.5mg

**PRODUCT DESCRIPTION:**

SARS-Related Coronavirus 2 (Isolate: USA-WA1/2020) is an enveloped, positive-sense single-stranded RNA virus from the *Coronaviridae* family and the *Betacoronaviridae* genus. This virus was isolated from a patient with a respiratory illness who had returned from travel to the affected region of China and developed COVID-19 in January 2020 in Washington, USA. The genomic sequence can be found in GenBank MN985325.

The virus is purified using sucrose density gradient ultracentrifugation, disrupted in the presence of 0.5% Triton X-100 non-ionic detergent/0.6 M KCl, and heat inactivated. Each frozen aliquot contains 0.5 mg of viral lysate per the BCA total protein assay.

Viral inactivation is verified after heat inactivation by the absence of viral growth in tissue culture-based infectivity assays.

**INTENDED USE:**

Viral lysates are intended for research, product development, or further manufacturing use. The performance characteristics of this product should be tested by your laboratory for each intended usage.

These products are NOT intended for use in the manufacture or processing of injectable products subject to licensure under section 351 of the Public Health Service Act or for any other product intended for administration to humans.

**FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

This product was manufactured in a facility which has a Quality Management System that is ISO 13485 certified.

REF	Catalog Number		Temperature Limitation
LOT	Lot Number		Expiration Date
RUO	For Research Use Only		Biological Risk

**BIOSAFETY:**

SARS-CoV-2 is a Biosafety Level 3 microorganism when infectious, and must be used within a Biological Safety Level 2 facility or biosafety cabinet when inactivated. Please consult your institution's regulations regarding the use of this product. For a detailed discussion on biological safety see the 5<sup>th</sup> edition of Biosafety in Microbiological and Biomedical Laboratories (BMBL), published by the CDC at <http://www.cdc.gov/biosafety/publications/bmb15/index.htm>.

**PRECAUTIONS:**

- Use Universal Precautions, this product is **potentially biohazardous**.
- Repetitive freezing and thawing is not recommended (aliquot material if necessary).
- To avoid cross-contamination, use separate pipette tips for all reagents.

**RECOMMENDED STORAGE:**

Viral lysates should be stored at -65°C or below.

**\* The following reagent was deposited by the Centers of Disease Control and obtained through BEI Resources, NIAID, NIH: SARS-Related Coronavirus 2, Isolate USA-WA1/2020, NR-52281.**

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