

## SAFETY DATA SHEET

### SARS-COV-2 WA1 (WASHINGTON STRAIN)

Lot 3

Prep Date: 9-2-2021

#### Section 1. Identification

Product Name: **Inactivated** SARS-CoV-2 Isolate USA-WA1/2020 - Washington Strain

GISAID: Lineage A and Clade S

Supplier: University of California, San Diego

9500 Gilman Drive

La Jolla, CA 92093

Characteristics: Highly concentrated **inactivated** SARS-CoV-2 Washington Strain diluted in cell culture media (DMEM + 1% FBS + 10mM HEPES + 50 units/ml Penicillin and 50 µg/ml Streptomycin).

Concentration: After UVC inactivation ddPCR (RNA) estimate of 1.74E+08 copies of ORF1a/ml, 7.90e08 copies of N/ml.

Benchmarking: LoD of 10<sup>-7</sup> on Roche Cobas 6800/8800 when tested immediately (qRT-PCR).

LoD of 10<sup>-7</sup> on Hologic Aptima Panther when tested immediately (TMA).

LoD of 10<sup>-2</sup> on BD Veritor when tested immediately (Antigen testing).

#### Section 2. Hazardous Identification

Classification: This product consists of **inactivated** SARS-CoV-2 Washington Strain diluted in cell culture media (DMEM + 1% FBS + 10mM HEPES + 50 units/ml Penicillin and 50 µg/ml Streptomycin).

Label Elements: This product has been **UV-C-inactivated**. It is not considered a hazardous substance.

#### Section 3. Composition

Classification: Not a hazardous substance

Chemical Nature: Handle as potentially infectious.

Components: No hazardous ingredients

#### Section 4. First Aid Measures

General advice: Move out of dangerous area

Do not leave victims unattended

In inhaled: Move to fresh air

Consult a physician after a significant exposure

In skin contact: Rinse well with water

Eye contact: Immediately flush eyes with water

Remove contact lenses

If symptoms persist, contact a physician

If swallowed: Rinse mouth with water

If symptoms, contact a physician

#### Section 5. Fire-fighting measures

Suitable: Use extinguishing measures

Unsuitable: High volume water jet  
Do not discharge into drains

## **Section 6. Release measures**

Personal precautions: Use PPE  
Ensure adequate ventilation  
Environmental precautions: Do not discharge into drains  
Clean up: Soak up with inert absorbent material  
Keep in suitable closed containers

## **Section 7. Handling and storage**

Safe handling: Avoid aerosol formation  
Avoid contact with skin/eyes  
Wear PPE  
Smoking/eating/drinking prohibited  
Safe storage: Keep containers tightly closed to prevent leaks  
Keep upright to prevent leakage  
Stability: See usage guidelines

## **Section 8. Exposure controls and personal protection**

Hand protection: Gloves with a thickness of >0.11mm  
Eye protection: Face shield or tightly fitting goggles  
Hygiene: No eating/drinking/smoking  
Wash hands before and after working with

## **Section 9. Physical and chemical properties**

pH: 7.0-7.4  
Flammability: Does not sustain combustion  
Solubility: water soluble

## **Section 10. Stability and reactivity**

Reactivity: No dangerous reactions under normal conditions  
Chemical stability: Stable under normal conditions  
Hazardous reactions: No decomposition when used as directed

## **Section 11. Toxicological information**

Acute toxicity: Not classified  
Corrosion: Not classified  
Respiratory irritation: Not classified  
Carcinogenicity: Not classified  
Reproduction: Not classified

## **Section 12. Disposal considerations**

Waste: Material must be treated as infectious. Includes disinfection and incineration.  
Product should not be allowed to enter drains or contaminate waterways  
Send to a licensed waste management company  
Packaging: Containers should be taken to an approved waste handling site  
Do not re-use empty containers

**Section 13. Transport**

Not regulated as a dangerous good

**Section 14. Regulatory information**

Clean air act: Does not contain hazardous air pollutants

Does not contain chemicals listed under the US Clean Air Act

Clean water act: Does not contain chemicals listed under the UC Clean Water Act

State regulations: Follow any state-specific regulations regarding right to know or chemicals of high concern

**Section 15: Other information**

NFPA: Health	1
Flammability	0
Physical Hazard	0