

## SAFETY DATA SHEET

### SARS-CoV-2, Isolate hCoV-19/USA/CA-CFAR-033515/2022 (Omicron Variant)

Version	Revision Date:	Date of Last issue: 2-03-2023
3.0	2-03-2023	Date of First issue: 8-29-2022

#### Section 1. Identification

Product Name: **Inactivated** SARS-CoV-2 Isolate hCoV-19/USA/CA-CFAR-033515/2022, VOC: **Omicron**

GISAIID: lineage **BA.2.12.1**, Clade GRA

Supplier: University of California, San Diego  
9500 Gilman Drive  
La Jolla, CA 92093

Characteristics: Highly concentrated **inactivated** SARS-CoV-2 BA.2.12.1 diluted in cell culture media (DMEM + 2% FBS + 50 units/ml Penicillin and 50 µg/ml Streptomycin).

Concentration: After UV-inactivation: ddPCR (RNA) estimate of 4.80E+08 copies of ORF1a/ml and 1.23E+09 copies of N/ml.

Limit of Detection:

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>-8</sup> on Roche Cobas 6800/8800 when tested after 1 month at -80°C.

LoD of 10<sup>-8</sup> on Hologic Aptima Panther when tested after 1 month at -80°C.

LoD of 10<sup>-8</sup> on Roche Cobas 6800/8800 when tested after 3 months at -80°C.

LoD of 10<sup>-8</sup> on Hologic Aptima Panther when tested after 3 months at -80°C.

The original clinical isolate sequence can be accessed at GISAID accession ID: EPI\_ISL\_14225347. This virus was obtained from UC San Diego: Acknowledgment for publications should read "The following reagent was obtained from UC San Diego: SARS-Related Coronavirus 2, Isolate hCoV-19/USA/CA-CFAR-033515/2022 (Lineage BA.2.12.1, Omicron Variant), contributed by Dr. Alex Clark, Dr. Aaron Carlin, and Dr. Davey Smith. This reagent was produced with help from the San Diego Center for AIDS Research (SD CFAR), an NIH-funded program (P30 AI036214), which is supported by the following NIH Institutes and Centers: NIAID, NCI, NHLBI, NIA, NICHD, NIDA, NIDCR, NIDDK, NIGMS, NIMH, NIMHD, FIC, and OAR. We thank NIH RADx-Radical Data Coordination Center (DCC) at University of California San Diego. RADx-rad DCC is funded under NIH grant# 1U24LM013755-01."

#### Section 2. Hazardous Identification

Classification: This product consists of **inactivated** SARS-CoV-2 BA.2.12.1 Strain diluted in cell culture media (DMEM + 2% FBS + 50 units/ml Penicillin and 50 µg/ml Streptomycin).

Label Elements: This product has been **UV-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