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Product Information

SARS-CoV-2 B.1.526 (USA/NY-Wadsworth-21018781-01/2021 Isolate 2) Heat-Inactivated Virus Particles

Cat. No.: **S01YF-0622-KX32**
This product is for research use only and is not intended for diagnostic use.

SARS-CoV-2 virus stock is produced by cell culture and formulated with purified, intact viral particles. The virus particles have been inactivated to render them non-infectious and refrigerator stable. The inactivation was verified in a standard microbiological growth protocol. SARS-CoV-2 stock can be used in the development of SARS-CoV-2 diagnostics and in vaccine development and R&D.

Product Specifications

Expression Systems
Cell culture

Form
Liquid

Alternative Names
SARS-Related Coronavirus 2; SARS-COV 2; COVID-19; SARS-CoV-2

Storage
Store at -80 °C long term. Avoid repeated freeze/thaw cycles.

Virus Background

Virus Family
Coronaviridae

Virus Species
SARS-CoV-2

Virus Strain
USA/NY-Wadsworth-21018781-01/2021 Isolate 2

Virus Overview
SARS-CoV-2 is a positive-sense single-stranded RNA virus (and hence Baltimore class IV) that is contagious in humans. As described by the US National Institutes of Health, it is the successor to SARS-CoV-1, the virus that caused the 2002-2004 SARS outbreak.Taxonomically, SARS-CoV-2 is a virus of the species severe acute respiratory syndrome-related coronavirus (SARSr-CoV). It is believed to have zoonotic origins and has close genetic similarity to bat coronaviruses, suggesting it emerged from a bat-borne virus. Research is ongoing as of February 2020 as to whether SARS-CoV-2 came directly from bats or indirectly through any intermediate hosts. The virus primarily spreads between people through close contact and via respiratory droplets produced from coughs or sneezes. It mainly enters human cells by binding to the angiotensin converting enzyme 2 (ACE2).

Virus Structure

Enveloped, positive-sense, single-stranded RNA virus

Related Disease

Severe acute respiratory syndrome, SARS-CoV-2 Disease, COVID-19

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