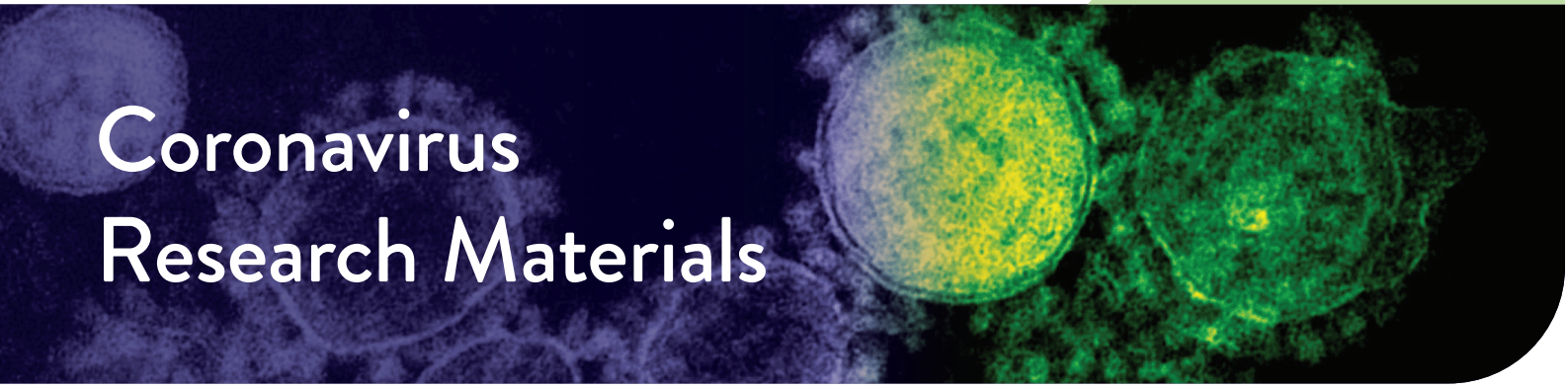
ATCC® | Credible leads to Incredible™

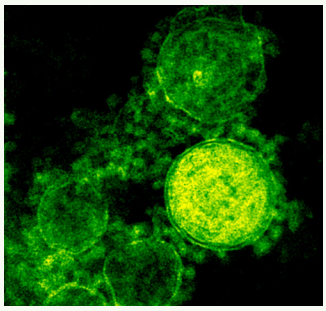
Product Spotlight



Coronavirus Research Materials

Credible solutions for critical public health emergencies

The outbreak of severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2) has put the health and safety of the global community at risk. With the virus continuing to spread and the number of confirmed cases and deaths rising, the World Health Organization has declared the outbreak a public health emergency of international concern. As in previous public health emergencies such as Zika, SARS, MERS, and the H1N1 2009 pandemic, ATCC stands ready to partner with the dedicated scientists working toward preventing and containing this devastating outbreak.



Genomic RNA for SARS-CoV-2

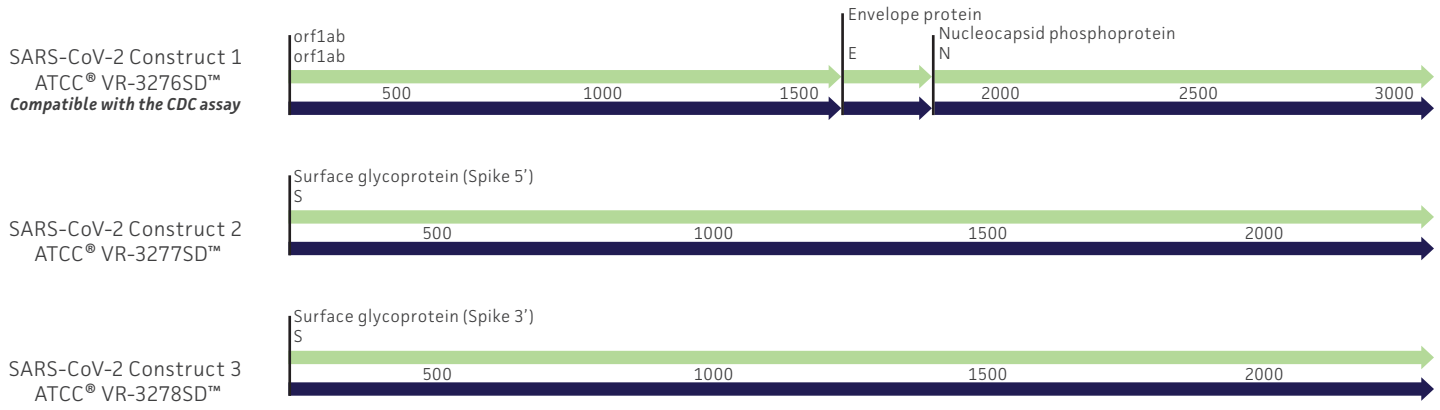
Clinically relevant reference materials are an essential component of basic research and diagnostic development. That's why ATCC has made it a priority to provide heat-inactivated and genomic RNA preparations from a strain recently sourced from an infected patient in Washington state (2019-nCoV/USA-WA1/2020). This strain serves as the SARS-CoV-2 reference material for the United States.

- Fully sequenced (GenBank: MN985325.1)
- Prepared using methods known to inactivate viruses
- Suitable for RT-PCR or other RNA-based assays

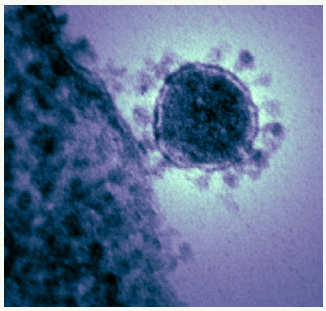
Order yours today at www.atcc.org/CoronavirusRNA.

Synthetic Molecular Standards for SARS-CoV-2

The pathogenic nature and transmission dynamics of SARS-CoV-2 has necessitated that the utmost care should be taken when handling the virus. To help ensure the safety of laboratory researchers, ATCC has developed three quantitative synthetic molecular standards for use as controls in the development of assays designed to detect and quantify SARS-CoV-2. Because these standards are synthetically derived, they eliminate the need to culture viruses in the laboratory and they are safe to use under biosafety level 1 conditions. Further, SARS-CoV-2 construct 1 is compatible with the nucleocapsid-targeted real-time RT-PCR primer and probe sets developed by the CDC.



Explore our coronavirus research materials at www.atcc.org/Coronavirus



Heat-inactivated SARS-CoV-2

When developing and using a novel detection assay, researchers need access to clinically relevant positive controls to ensure the reliability and accuracy of their results. To meet this need, ATCC has developed a heat-inactivated preparation of the 2019-nCoV/USA-WA1/2020 strain (ATCC® VR-1986HK™).

- Confirmed to be inviable and non-replicative
- Quantitated by ddPCR™
- Useful for assays that include an extraction step

Order your preparation today at www.atcc.org/HKCoronavirus

Coronavirus Research Materials

Having access to a variety of coronavirus strains is essential for establishing the inclusivity and exclusivity of a novel assay. To support this need, ATCC provides viral strains and nucleic acids representing alphacoronaviruses and betacoronaviruses known to cause disease in humans. Explore our complete collection of research materials at www.atcc.org/coronavirus.

ATCC® No.	Product Description
Viral strains	
VR-1986HK™	Heat-inactivated 2019 Novel coronavirus strain 2019-nCoV/USA-WA1/2020
VR-1558™	Betacoronavirus 1 strain OC43
VR-740™	Human coronavirus 229E
Nucleic acids	
VR-3276SD™	Quantitative Synthetic SARS-CoV-2 RNA (portions of ORF 1ab, E, N genes)
VR-3277SD™	Quantitative Synthetic SARS-CoV-2 RNA (5' portion of S gene)
VR-3278SD™	Quantitative Synthetic SARS-CoV-2 RNA (3' portion of S gene)
VR-1986D™	Genomic RNA from 2019 Novel coronavirus strain 2019-nCoV/USA-WA1/2020
VR-1558D™	RNA from Betacoronavirus 1 OC43
VR-1558DQ™	Quantitative Genomic RNA from Betacoronavirus 1 OC43
VR-740D™	RNA from Human coronavirus 229E
VR-740DQ™	Quantitative Genomic RNA from Human coronavirus 229E
VR-3263SD™	Quantitative Synthetic Human coronavirus NL63 RNA
VR-3262SD™	Quantitative Synthetic Human coronavirus HKU1 RNA
VR-3248SD™	Quantitative Synthetic Middle East respiratory syndrome coronavirus (MERS-CoV) RNA
Propagation hosts	
CCL-244™	HCT-8
CCL-171™	MRC-5
CCL-81™	Vero
CCL-81-VHG™	Vero.STAT1 KO

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