



Heat-inactivated SARS-CoV-2 variant B.1.351 (Beta)

VR-3327HK™

Description

A vial of heat-inactivated SARS-CoV-2 variant B.1.351 (Beta). This strain was isolated from a clinical specimen in Maryland and deposited by the CDC.

Strain designation: USA/MD-HP01542/2021

Common name: SARS-CoV-2

Shipping information: Each vial contains approximately 0.25 mL of heat-inactivated, clarified cell lysate and supernatant from Calu-3 cells infected with SARS-CoV-2 strain USA/MD-HP01542/2021. The vial should be centrifuged prior to opening.

Storage Conditions

Product format: Frozen

Storage conditions: -70°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to

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understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Notes

Due to high demand, this product is limited to 20 per organization per 60 days.

This isolate is lineage B.1.351, clade GH according to GISAID (Global Initiative on Sharing All Influenza Data) conventions.

The following mutations are present in the clinical isolate: Spike A243del, Spike A701V, Spike D80A, Spike D215G, Spike D614G, Spike E484K, Spike K417N, Spike L18F, Spike L242del, Spike L244del, Spike N501Y, E (Envelope protein) P71L, N (Nucleocapsid protein) T205I, NSP3 (Non-structural protein 3) G172C, NSP3 Q57H,

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NSP3 S171L, NSP2 (Non-structural protein 2) T85I, NSP3 K837N, NSP5 (Non-structural protein 5) K90R, NSP6 (Non-structural protein 6) F108del, NSP6 G107del, NSP6 S106del, NSP12 (Non-structural protein 12) P323L. One additional SNP in ORF1ab L3826F was reported in the deposited passage two virus, in comparison to the clinical specimen.

This product is a preparation of Severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2) strain USA/MD-HP01542/2021 that has been inactivated by heating at 65° for 30 minutes and is therefore unable to replicate.

The long-term stability of this preparation is not known at this time. It is recommended that users confirm the activity of the product if not used within three months of receipt.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Heat-inactivated SARS-CoV-2 variant B.1.351 (Beta) (ATCC VR-3327HK)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media

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formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

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