



Influenza A virus (H3N2), High titer

VR-544PQ™

Description

Influenza A virus (H3N2) strain A/Hong Kong/8/68 is a high-titer, purified, live virus suspended in 1X PBS + 0.1% Sodium azide that was prepared via purification through sucrose gradient centrifugation. This strain is propagated in SPF embryonated chicken eggs and was isolated in 1968 from a human patient in Hong Kong. It has a variety of applications, including respiratory disease research, assay development, spiking studies, and testing virucides.

Strain designation: A/Hong Kong/8/68

Deposited As: Influenza A2

Shipping information: Quantitative PFUs and genome copy number reported on Certificate of Analysis

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 2

ATCC determines the biosafety level of a material based on our risk assessment as

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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 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.

Growth Conditions

Host: SPF chicken embryonated eggs, 10-11 days

Effects: hemagglutination of red blood cells

Temperature: 37°C

Atmosphere: No CO₂

Recommendations for infection: Dilute virus in D-PBS prior to inoculation.

Incubation: 2-3 days with humidity and non-CO₂ incubator

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Handling Procedures

Mycoplasma contamination: Not detected

Notes

ATCC VR-544PQ is a high-titer, purified, live virus suspended in 1X PBS + 0.1% Sodium azide. This product was prepared from ATCC VR-544 via purification through sucrose gradient centrifugation, and is devoid of cellular debris and contaminants.

This strain cross-reacts in HAI tests with A2 strains at low dilutions.

Key Abbreviations: °C, Degrees Celsius; CE, Chicken embryo; CO₂, Carbon dioxide; D-PBS, Dulbecco's Phosphate-buffered saline; PBS, Phosphate-buffered saline; RBC, Red blood cell; SPF, Specific pathogen free

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Influenza A virus (H3N2), High titer (ATCC VR-544PQ)

References

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

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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 formulation and reagents that have been found to be effective for the product.

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