



Influenza A virus (H3N2)

VR-822TM

Description

Influenza A virus (H3N2) strain A/Victoria/3/75 is propagated in 10-day-old SPF chicken embryonated eggs. This strain was isolated from a human patient in Melbourne, Australia, and was deposited by AP Kendal. This product is whole-genome sequenced and has applications in influenza research.

Strain designation: A/Victoria/3/75

Deposited As: Influenza A virus

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 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



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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: 10 day old incubated specific pathogen free embryonated chicken eggs

Effects: death of host animal; hemagglutination of red blood cells

Temperature: 33°C

Recommendations for infection: Dilute virus with D-PBS prior to inoculation. While candling the eggs, draw a pencil line around the air sac. Using an 18.5 gauge needle, poke a hole into the air sac. Using a 1.0 mL syringe fitted with a 22.5 gauge needle, insert the needle through the hole and into the allantoic cavity. Inject 0.2 mL of diluted inoculum into the allantoic cavity. Seal the hole with nail polish or sterile tape. Incubate eggs at 33°C 2-3 days, checking embryo viability every 12-18 hours and discard non-viable eggs.

To harvest allantoic fluid, refrigerate eggs for at least 2 hour post incubation. Use sterile scissors to cut away the shell around the air sack. Aspirate the allantoic fluid



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with a syringe or a pipette. Avoid capturing blood or yolk in the allantoic fluid.

Incubation: 2-3 days with humidity

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Hemagglutinin member of H3 subgroup, but antigenically variant from prior strains.

Neuraminidase member of N2 subgroup, but antigenically variant from prior strains.

Cross-reacts with A/Hong Kong/68, A/England/42/72, A/Port Chalmers/73 and

A/Scotland/74 viruses.

Key Abbreviations: AI, Allantoic; °C, Degrees Celsius; CE, Chicken embryo; CEID[50], The Chicken Embryo Infectious Dose 50% endpoint is the 50% infectious endpoint in a chicken embryo.; CRBC, Chicken red blood cells; D-PBS, Dulbecco's Phosphate-buffered saline; H, Hemagglutinin; HA, Hemagglutination; i.a., Intraallantoic; mL, Milliliter; N, Neuraminidase; NIH, National Institutes of Health; RBC, Red blood cell

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Influenza A virus (H3N2) (ATCC VR-822)

References

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

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