



# Influenza A virus (H1N1)

Product Sheet

VR-825™

## Description

Influenza A virus (H1N1) strain A/WS/33 is propagated in SPF chicken embryonated eggs. This strain was isolated in 1933 from the throat washings of a human patient with influenza. This product is whole-genome sequenced and has applications in influenza research.

**Strain designation:** A/WS/33

**Deposited As:** Influenza A virus

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

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## 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.

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## 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 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Host:** SPF chicken embryonated eggs, 10-11 days

**Effects:** hemagglutination of red blood cells

**Temperature:** 33-34°C

**Atmosphere:** No CO<sub>2</sub>

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

**Incubation:** 2-3 days with humidity and a non-CO<sub>2</sub> incubator

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

This strain is not neurotrophic for white adult mice. Demonstrates cross-reaction with PR-8 and swine influenza.

**Key Abbreviations:** °C, Degrees Celsius; CE, Chicken embryo; CO<sub>2</sub>, Carbon dioxide; RBC, Red blood cell; SPF, Specific pathogen free

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Influenza A virus (H1N1) (ATCC VR-825)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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