



# Influenza A virus (H1N1)

VR-1894™

## Description

Influenza A virus (H1N1) strain A/California/07/2009 (H1N1)pdm09 is propagated in SPF chicken embryonated eggs. This strain was isolated in 2009 from a human in California and was deposited by the Centers for Disease Control and Prevention. A/California/07/2009 (H1N1)pdm09 was recommended by the The US Food and Drug Administration for use in vaccines during the 2009-2010 and 2010-2011 influenza seasons. Use this Influenza A virus in your infectious and respiratory disease research and vaccine development.

**Strain designation:** A/California/07/2009 (H1N1)pdm09

**Deposited As:** Influenza A virus (H1N1)

**Shipping information:** Clarified allantoic fluid from inoculated eggs

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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*

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(*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, 9-11 days old

**Effects:** hemagglutination of red blood cells

**Temperature:** 35°C

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

**Recommendations for infection:** Inoculate SPF chicken embryonated eggs (intra-allantoic) at 9-11 days old. Dilute virus in D-PBS prior to inoculation.

**Incubation:** 2 days at 35°C in a humidified, non-CO<sub>2</sub> atmosphere.

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## Notes

The US Food and Drug Administration recommended A/California/07/2009 (H1N1)pdm09 virus for use as a vaccine during the 2009-2010 influenza season.

The US Food and Drug Administration recommended A/California/07/2009 (H1N1)pdm09-like viruses for use as vaccines during the 2010-2011 influenza season.

The World Health Organization recommended influenza A/California/07/2009 (H1N1)pdm09-like viruses for use as vaccines during the 2010 Southern Hemisphere and the 2010-2011 Northern Hemisphere influenza seasons.

**Key Abbreviations:** °C, Degrees Celsius; D-PBS, Dulbecco's Phosphate-buffered saline; 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-1894)

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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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Product Sheet

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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