Product Information Sheet for NR-20347

Influenza A (H1N1) 2009 Monovalent Vaccine

Catalog No. NR-20347

This reagent is the property of the U.S. Government.

For research use only. Not for human use.

Contributor:

National Institutes of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)

Manufacturer:

Sanofi Pasteur, Inc.

Product Description:

Influenza A (H1N1) 2009 (pdm09) Monovalent Vaccine is an inactivated influenza virus vaccine prepared from influenza viruses propagated in embryonated chicken eggs. The virus-containing allantoic fluid was harvested and inactivated with formaldehyde. The virus was concentrated and purified in a linear sucrose density gradient solution using a continuous flow centrifuge. The virus was then chemically disrupted using a non-ionic surfactant, polyethylene glycol p-isooctylphenyl ether (Triton® X-100), producing a "split virus". The split virus was further purified and suspended in sodium phosphate-buffered isotonic sodium chloride solution. Gelatin (0.05%) was added as a stabilizer. Each 0.5 mL dose may contain residual amounts of formaldehyde (≤ 100 µg), Triton® X-100 (≤ 0.02%) and sucrose (≤ 2.0%). Each 0.5 mL dose also contains thimerosal, a mercury derivative, added as a preservative (25 µg mercury).

The hemagglutinin content was standardized according to U.S. Public Health Service requirements. Each 0.5 mL dose contains the recommended 15 µg of hemagglutinin antigen.

Please note that this vaccine preparation is being released for research use only and not for human use. Vaccines produced for the 2009-2010 season are now past their expiration dates.

Material Provided:

Each vial contains 5 mL of split-virus vaccine in phosphate-buffered saline containing 0.05% gelatin and thimerosal (25 µg mercury).

Packaging/Storage:

NR-20347 is packaged in a 5 mL multi-dose vial. The product is provided on refrigerated bricks and should be stored at 2°C to 8°C immediately upon arrival. Do not freeze.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A (H1N1) 2009 Monovalent Vaccine, NR-20347."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Morse, D., et al. "Use of Influenza A (H1N1) 2009 Monovalent Vaccine: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2009." MMWR Recomm. Rep. 58 (2009): 1-8. PubMed: 19713882.
2. Fiore, A. E., et al. "Prevention and Control of Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2010." MMWR Recomm. Rep. 59 (2010): 1-62. PubMed: 20689501.

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3. WHO Recommendations for Influenza Vaccines

Support Provided by NIAID

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