

Fluvirin® Influenza Virus Purified Surface Antigen Vaccine, 2007-2008 Formula

Catalog No. NR-10475

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For research use only. Not for human use.

Contributor:

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

Manufacturer:

Novartis Vaccines and Diagnostics

Product Description:

NR-10475 contains hemagglutinin and neuraminidase surface antigens from influenza viruses A/Solomon Islands/3/2006 (H1N1), A/Wisconsin/67/2005 (H3N2) and B/Malaysia/2506/2004 that were predicted to circulate in the United States during the 2007 to 2008 influenza season.^{1,2}

NR-10475 was prepared from the extra-embryonic fluid of embryonated chicken eggs inoculated with a specific type of influenza suspension containing neomycin and polymyxin. The fluid containing the virus was harvested and clarified by centrifugation and filtration prior to inactivation with betapropiolactone. The inactivated virus was concentrated and purified by zonal centrifugation. The surface antigens, hemagglutinin and neuraminidase, were obtained from the influenza virus particle by further centrifugation in the presence of Nonylphenol Ethoxylate, a process which removes most of the internal proteins. The Nonylphenol Ethoxylate was removed from the surface antigen preparation and the antigens were suspended in phosphate buffered saline containing 0.01% thimerosal.²

The hemagglutinin content was standardized according to U.S. Public Health Service requirements. Each 0.5 mL dose (10 doses per vial) contains the recommended ratio of 15 µg each of the hemagglutinin antigens from influenza viruses A/Solomon Islands/3/2006 (H1N1), A/Wisconsin/67/2005 (H3N2) and B/Malaysia/2506/2004.

Please note that this vaccine preparation is being released for research use only and not for human use. Vaccines produced for the 2007-2008 season are now past their expiration dates.

Material Provided:

Each vial contains 5 mL of formulated purified surface antigen vaccine in 0.01 M phosphate-buffered saline containing 0.01% thimerosal.

Packaging/Storage:

NR-10475 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: Fluvirin® Influenza Virus, Purified Surface Antigen Vaccine, 2007-2008 Formula, NR-10475."

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/bmb15/index.htm.

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References:

1. Fiore, A. E., et al. "Prevention and Control of Influenza: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2007." MMWR Recomm. Rep. 56 (2007): 1-54. PubMed: 17625497.
2. <http://www.fda.gov/BiologicsBloodVaccines/Vaccines/ApprovedProducts/ucm127192.htm>

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