

Agriflu® Influenza Virus Vaccine, 2010-2011 Formula

Catalog No. NR-31797

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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 S.r.l., Siena, Italy

Product Description:

NR-31797 is a trivalent inactivated influenza vaccine prepared from influenza viruses A/California/07/2009 NYMC X-181 (H1N1)pdm09, A/Victoria/210/2009 NYMC X-187 (H3N2) (an A/Perth/16/2009-like virus) and B/Brisbane/60/2008 that were predicted to circulate in the United States during the 2010 to 2011 influenza season.^{1,2}

NR-31797 was prepared from the allantoic fluid of embryonated chicken eggs. The fluid containing the virus was harvested and clarified by centrifugation and filtration before being inactivated with formaldehyde. The inactivated virus was concentrated and purified by zonal centrifugation. The surface antigens were obtained from the virus particles by further centrifugation in the presence of cetyltrimethylammonium bromide (CTAB). The CTAB was removed from the suspension by subsequent purification steps and the vaccine was formulated in a sterile aqueous solution without preservatives.²

The hemagglutinin content was standardized according to U.S. Public Health Service requirements. Each 0.5 mL syringe contains the recommended ratio of 15 µg each of the hemagglutinin antigens from influenza viruses A/California/07/2009 NYMC X-181 (H1N1)pdm09, A/Victoria/210/2009 NYMC X-187 (H3N2) (an A/Perth/16/2009-like virus) and B/Brisbane/60/2008.²

Please note that this vaccine preparation is being released for research use only and not for human use. Vaccines produced for the 2010-2011 season are now past their expiration dates.

Material Provided:

Each syringe contains 0.5 mL of trivalent inactivated vaccine in a sterile aqueous suspension. The product was manufactured and formulated without preservatives.

Packaging/Storage:

NR-31797 contains a pre-filled (0.5 mL) syringe. 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: Agriflu® Influenza Virus Vaccine, 2010-2011 Formula, NR-31797.”

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/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. Fiore, A. E., et al. “Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2010.” MMWR Recomm. Rep. 59 (2010): 1-62. PubMed: 20689501.

2. <http://www.fda.gov/BiologicsBloodVaccines/Vaccines/ApprovedProducts/ucm112854.htm>

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