Fluogen® Influenza Virus Subvirion Vaccine/Immunizing Antigen, Ether-Extracted, 1988-1989 Formula

Catalog No. NR-12141

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:

Parke-Davis

Product Description:

NR-12141 contains hemagglutinin and neuraminidase surface antigens from influenza viruses A/Taiwan/1/1986 (H1N1), A/Sichuan/2/1987 (H3N2) and B/Victoria/2/1987 that were predicted to circulate in the United States during the 1988 to 1989 influenza season.[1]

NR-12141 was prepared from the extra-embryonic fluid of embryonated chicken eggs inoculated with seed virus vaccine containing 1 mg/mL streptomycin sulfate. The fluid containing the virus was harvested, clarified by filtration and concentrated and refined by ultracentrifugation and zonal centrifugation. Polysorbate 80, USP, was added to the refined concentrate to yield not more than 250 µg/0.5 mL in the final product. The refined concentrate was treated with ethyl ether to disrupt the virus and remove pyrogenic substances. The refined concentrate was stabilized with formalin and adjusted to a final concentration of less than 0.02% residual free formaldehyde by the addition of sodium bisulfite solution. The vaccine was diluted to its final volume with 0.01 M phosphate-buffered saline containing 0.01% thimerosal (mercury derivative).

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/Taiwan/1/1986 (H1N1), A/Sichuan/2/1987 (H3N2) and B/Victoria/2/1987.

Please note that this vaccine preparation is being released for research use only and not for human use. Vaccines produced for the 1988-1989 season are now past their expiration dates.

Material Provided:

Each vial contains 5 mL (10 doses) of NR-12141 in 0.01 M phosphate-buffered saline containing 0.01% thimerosal.

Packaging/Storage:

NR-12141 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: Fluogen® Influenza Virus Subvirion Vaccine/Immunizing Antigen, Ether-Extracted, 1988-1989 Formula, NR-12141."

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. Centers for Disease Control and Prevention. "Prevention and Control of Influenza: Recommendations of the Immunization Practices Advisory Committee-Prevention and Control of Influenza." MMWR Morb. Mortal. Wkly. Rep. 37 (1988): 361-364, 369-373. PubMed: 3131656.

Support Provided by NIAID

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