

***afluria*<sup>®</sup> Influenza Virus Vaccine, 2010-2011 Formula**

**Catalog No. NR-31798**

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:**

CSL Limited, Parkville, Victoria, Australia

**Product Description:**

NR-31798 is an inactivated split virion influenza virus 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.

NR-31798 was prepared from influenza virus propagated in the allantoic fluid of embryonated chicken eggs. Following harvest, the virus was purified in a sucrose density gradient using a continuous flow zonal centrifuge. The purified virus was inactivated with beta-propiolactone and the virus particles were disrupted using sodium taurodeoxycholate to produce a split virion. The disrupted virus was further purified and suspended in a phosphate buffered isotonic solution without preservatives.

The hemagglutinin content was standardized according to U.S. Public Health Service requirements. Each 0.5 mL of vaccine contains the recommended ratio of 15 µg of the hemagglutinin antigen for each of the three influenza strains recommended for the 2010-2011 Northern Hemisphere influenza season: 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.<sup>1,2</sup>

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 split virion vaccine in a phosphate buffered isotonic solution. The product is preservative-free and does not contain thimerosal.

**Packaging/Storage:**

NR-31798 is packaged in a 0.5 mL prefilled 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: *afluria*<sup>®</sup> Influenza Virus Vaccine, 2010-2011 Formula, NR-31798.”

**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](http://www.cdc.gov/biosafety/publications/bmb15/index.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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