

***afuria*<sup>®</sup>, Influenza Virus Vaccine, 2008-2009 Formula**

**Catalog No. NR-17598**

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

**Product Description:**

NR-17598 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.

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/Brisbane/59/2007 (H1N1), A/Uruguay/716/2007 (H3N2) and B/Florida/4/2006.

This single-dose formulation is preservative-free. Thimerosal, a mercury derivative, was not used in the manufacturing process. From the manufacturing process, each 0.5 mL dose may contain residual amounts of sodium taurodeoxycholate (≤ 10 ppm), ovalbumin (≤ 1 µg), neomycin sulfate ≤ 0.2 pg), polymyxin B (0.03 pg), and beta - propiolactone (< 25 ng).

Please note that this vaccine preparation is being released for research use only and not for human use. Vaccines produced for the 2008-2009 season are now past their expiration dates.

**Material Provided:**

Each syringe contains 0.5 mL of split-virus vaccine in phosphate-buffered saline.

**Packaging/Storage:**

NR-17598 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 the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: *afuria*<sup>®</sup>, Influenza Virus Vaccine, 2008-2009 Formula,

NR-17598."

**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, 2007; see [www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

**Disclaimers:**

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**References:**

1. Fiore, A. E., et al. "Prevention and Control of Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2008." MMWR Recomm. Rep. 59 (2010): 1-62. PubMed: [18685555](https://pubmed.ncbi.nlm.nih.gov/18685555/).
2. [WHO Recommendations for Influenza Vaccines](http://www.who.int/influenza/vaccines/)

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