

**Recombinant Plague (*Yersinia pestis*) Vaccine (Demonstration Material)**

**Catalog No. NR-15892**

This reagent is the property of the U.S. Government.

**Lot No. 7051**

**Manufacturing Date: 27JUL2006**

**For research use only. Not for human use.**

**Contributor:**

National Institute of Allergy and Infectious Diseases, National Institutes of Health

**Manufacturer:**

Avecia Biologics Ltd., Manchester, United Kingdom

**Product Description:**

NR-15892 is demonstration material of RypVax™, recombinant plague vaccine, containing recombinant F1 (rF1) and V (rV) antigens from *Yersinia pestis* produced in *Escherichia coli*. The purified antigens (240 µg/mL rF1 and 240 µg/mL rV) were adjuvanted with Alhydrogel. Antibodies to rF1 have been shown to be protective against bubonic plague while antibodies to rV have been shown to enhance protection against inhalation plague.<sup>1</sup> This vaccine combined both antigens and was expected to protect against both forms of the disease. NR-15892 is provided through BEI Resources for research use only.

**Material Provided:**

Each vial contains approximately 0.48 mL of purified recombinant antigen proteins (240 µg/mL rF1 and 240 µg/mL rV) adjuvanted with 0.26% w/w Alhydrogel.

**Packaging/Storage:**

NR-15892 was packaged aseptically in single-use glass vials. The product is provided at 2°C to 8°C on refrigerated bricks and should be stored at 2°C to 8°C immediately upon arrival. Do not freeze NR-15892.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Recombinant Plague (*Yersinia pestis*) Vaccine (Demonstration Material), NR-15892."

**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](http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm).

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**References:**

1. Williamson, E. D. and C. F. Oyston. "Acellular Vaccines against Plague." Yersinia: System Biology and Control. Eds. E. Carniel and B. J. Hinnebusch. Norfolk, United Kingdom: Caister Academic Press, 2012. 123-142.

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