

***Francisella tularensis* subsp. *holarctica*
LVS Antigen, Formalin-Inactivated**

Catalog No. NR-15751

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

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Contributor:

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

Product Description:

LVS antigen was prepared by formalin inactivation of a suspension of *Francisella tularensis* subsp. *holarctica* (Type B), strain LVS¹⁻⁴.

Material Provided:

Each vial contains approximately 1 mL of NR-15751 formulated in 0.05 M PBS, pH 7.2. The concentration is shown on the Certificate of Analysis for each lot.

Packaging/Storage:

NR-15751 is provided frozen on dry ice and should be stored at -70°C ± 10°C immediately upon arrival.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: *Francisella tularensis* subsp. *holarctica* LVS Antigen, Formalin-Inactivated, NR-15751."

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/bmbl5/bmbl5toc.htm.

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References:

1. Eigelsbach, H. T. and C. M. Downs. "Prophylactic Effectiveness of Live and Killed Tularemia Vaccines. I. Production of Vaccine and Evaluation in the White Mouse and Guinea Pig." *J. Immunol.* 87 (1961): 415-425. PubMed: 13889609.
2. Tigertt, W. D. "Soviet Viable *Pasteurella tularensis* Vaccines. A Review of Selected Articles." *Bacteriol. Rev.* 26 (1962): 354-373. PubMed: 13985026.
3. Sjöstedt, A. "Tularemia: History, Epidemiology, Pathogen Physiology, and Clinical Manifestations." *Ann. N. Y. Acad. Sci.* 1105 (2007): 1-29. PubMed: 17395726.
4. Oyston, P. C. F. and J. E. Quarry. "Tularemia Vaccine: Past, Present and Future." *Antonie van Leeuwenhoek* 87 (2005): 277-281. PubMed: 15928980.

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