

***Francisella tularensis* subsp. *tularensis*  
SCHU S4 Antigen, Formalin-Inactivated**

**Catalog No. NR-15753**

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

**Contributor:**

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

**Manufacturer:**

DynPort Vaccine Company, LLC, Frederick, Maryland and Midwest Research Institute, Kansas City, Missouri

**Product Description:**

SCHU S4 antigen was prepared by formalin inactivation of a suspension of *Francisella tularensis* subsp. *tularensis* (Type A), strain SCHU S4.<sup>1-3</sup>

**Material Provided:**

Each vial contains approximately 1 mL of NR-15753 formulated in 0.05 M PBS, pH 7.2. The concentration is shown on the Certificate of Analysis for each lot.

**Packaging/Storage:**

NR-15753 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 BEI Resources, NIAID, NIH: *Francisella tularensis* subsp. *tularensis* SCHU S4 Antigen, Formalin-Inactivated, NR-15753."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Eigelsbach, H. T., W. Braun, and R. D. Herring. "Studies on the Variation of *Bacterium tularensis*." *J. Bacteriol.* 61 (1951): 557-569. PubMed: 14832199.
2. Larsson, P., et al. "The Complete Genome Sequence of *Francisella tularensis*, the Causative Agent of Tularemia." *Nature Genet.* 37 (2005): 153-159. PubMed: 15640799.
3. Prior, R. G., et al. "Preliminary Analysis and Annotation of the Partial Genome Sequence of *Francisella tularensis* Strain Schu 4." *J. Appl. Microbiol.* 91 (2001): 614-620. PubMed: 11576297.

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