

***Francisella tularensis* subsp. *holarctica* LVS R1 Antigen, Formalin-Inactivated**

Catalog No. NR-15752

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

Product Description: LVS R1 antigen was prepared by formalin inactivation of a suspension of *Francisella tularensis* subsp. *holarctica* (Type B), strain LVS R1. Strain LVS R1 is a mutant of the LVS strain lacking the O-antigen.

Lot¹: 02-2010.04

Manufacturing Date: FEB2010

TEST	SPECIFICATIONS	RESULTS
Appearance	Colorless, opalescent	Colorless, opalescent
Concentration by Spectrophotometer at OD ₆₀₀ ²	0.1 ± 0.02	0.105
Bioburden	0 colony-forming units per mL	0 colony-forming units per mL

¹*Francisella tularensis* subsp. *holarctica*, strain LVS-R1 was grown on Peptone Cysteine Agar Plates plus Modified Casein Partial Hydrolysate. The organisms were suspended in 0.05 M PBS (pH 7.2) and treated with 3% formalin at 57°C to 61°C for 27 minutes.

²A solution with an OD₆₀₀ = 0.1 contains approximately 1 X 10⁹ colony-forming unit equivalents per mL.

Date: 25 March 2010

Signature: QuoThy Cyang

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

