Leptospira grippotyphosa Polyclonal Antibody (LG PAb) - Lot ID IRP 511-04

Document Number: CVB-DAT-0098
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Effective Date: 24 May 2021

Notes: Strain or Source: Rabbit origin anti-LG serum, Fill date: December 1, 2004
United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Center for Veterinary Biologies  
P. O. Box 844  
Ames, IA  50010

1. **Reagent Name:** *Leptospira grippotyphosa* Polyclonal Antibody (LG PAb)

2. **Strain or Source:** Rabbit origin anti-LG serum

3. **Lot Number:** IRP 511-04

4. **Fill Date:** December 1, 2004

5. **Expiration Date:** April 30, 2023

**Precautions:** There are no known hazards associated with the use of this reagent.

6. **Intended Use:** For use in an enzyme-linked immunosorbent assay (ELISA) as described in *Supplemental Assay Method (SAM) 626* for serial release potency testing of leptospiral bacteins containing serovar *grippotyphosa*. This reagent may also be used in the microagglutination test.

7. **Instructions for Use:** Dilute LG PAb 1:10,000 in carbonate-bicarbonate coating buffer and use immediately, according to *SAM 626*.

8. **Test of Reagent:** LG PAb has a serologic titer of $\geq 1:12,800$ against *L. grippotyphosa* antigen by the microagglutination test (MAT). MAT titers against other serovars are negligible. The optimal use dilution was determined by titration, using the assay described in *SAM 626*.

9. **Container Size, Type, Weight, or Volume:** 150 $\mu$L aliquots in plastic microcentrifuge tubes.

10. **Storage Conditions:** -20° to -80°C for long-term storage. Vial may be held at 2°- 7°C for several weeks.

11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-7020 or FAX (515) 337-7673

12. **Origin and Passage History:** Not applicable.
13. **Method of Preparation:** LG PAb was prepared by hyper-immunizing New Zealand white rabbits with heat-inactivated whole cells of NVSL *L. grippotyphosa* challenge strain 11808, followed by an injection of viable whole cells. Individual rabbit sera were tested by the MAT. Satisfactory sera were pooled, filtered, and frozen at -20°C or lower.

14. **Other:** None.

Reagent orders and feedback should be sent *including phone number* to the following email address: **VS.DB.CVB.Reagent.Requests@usda.gov**

Reagent orders forms (APHIS Form 2018) can be found on the CVB website.