Leptospira canicola Polyclonal Antibody (LC PAb) - Lot ID IRP 491

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Effective Date: 12 Jul 2022

Notes: Strain or Source: Anti-LC serum (RO), Fill date: December 5, 2002
United States Department of Agriculture
Animal and Plant Health Inspection Service
Center for Veterinary Biologics
P. O. Box 844
Ames, IA 50010

1. **Reagent Name:** *Leptospira canicola* Polyclonal Antibody (LC PAb)

2. **Strain or Source:** Anti-LC serum (RO)

3. **Lot Number:** IRP 491

4. **Fill Date:** December 5, 2002

5. **Expiration Date:** November 30, 2026

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

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6. **Intended Use:** For use in an enzyme-linked immunosorbent assay (ELISA) as described in Supplemental Assay Method (SAM) 625 for serial release potency testing of leptospiral bacterins containing serovar *canicola*. This reagent may also be used in a microagglutination test.

7. **Instructions for Use:** Dilute LC PAb 1:1100 in carbonate-bicarbonate coating buffer and use immediately, according to SAM 625.

8. **Test of Reagent:** LC PAb has a serologic titer of ≥1: 6,400 against *L. canicola* 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 625.

9. **Container Size, Type, Weight, or Volume:** 0.5 mL aliquots in plastic screw-cap vials.

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) 337-6100 or FAX (515) 337-7673.

12. **Origin and Passage History:** Not applicable
13. **Method of Preparation:** LC PAb was prepared by hyper-immunizing New Zealand white rabbits with heat-inactivated whole cells of NVSL *L. canicola* challenge strain 11203, followed by an injection of viable whole cells. The 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.