



Animal and Plant
Health Inspection
Service

Veterinary Services

Center for Veterinary
Biologics

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Leptospira icterohaemorrhagiae Polyclonal Antibody (LI PAb) - Lot ID IRP 04-481

Document Number: CVB-DAT-0076

Revision: 03

Previous Number: BB DAT0096.04

Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 11 Jul 2022

Notes: *Strain or Source: Anti-Lict serum (RO), Fill date: August 24, 2004*

**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 icterohaemorrhagiae* Polyclonal Antibody (LI PAb)
2. **Strain or Source:** Anti-Lict serum (RO)
3. **Lot Number:** IRP 04-481
4. **Fill Date:** August 24, 2004
5. **Expiration Date:** July 31, 2026

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) 627 for serial release potency testing of leptospiral bacterins containing serovar *icterohaemorrhagiae*. This reagent may also be used in the microagglutination test.

7. **Instructions for Use:** Dilute LI PAb 1:18,000 in carbonate-bicarbonate coating buffer and use immediately, according to **SAM 627**.

8. **Test of Reagent:** LI PAb has a serologic titer of $\geq 1:25,600$ against *L. icterohaemorrhagiae* 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 627**.

9. **Container Size, Type, Weight, or Volume:** 150 μ 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) 337-6100 or FAX (515) 337-7673.

12. **Origin and Passage History:** Not applicable.

13. **Method of Preparation:** LI PAb was prepared by hyperimmunizing New Zealand white rabbits with heat-inactivated whole cells of NVSL *L. icterohaemorrhagiae* challenge strain

11403, 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.