

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  $\mu$ 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) 337-6100.
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](mailto:VS.DB.CVB.Reagent.Requests@usda.gov)

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