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* Monoclonal Antibody (LC MAb)

2. Strain or Source: Hybridoma LC 4DB-001

3. Lot Number: IRP 04-500

4. Fill Date: February 23, 2004

5. Expiration Date: 30Apr22

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) 625** for serial release potency testing of leptospiral bacterins containing serogroup *canicola.*

7. Instructions for Use: Dilute LC MAb 1:15,000 in phosphate-buffered saline supplemented with 1% polyvinyl alcohol and 0.9% normal rabbit serum, and use immediately, according to **SAM 625**.

8. Test of Reagent: LC MAb belongs to the IgM antibody class and contains kappa lightchains. The reagent satisfactorily passed sterility requirements. The optimal use dilution was determined by titration, using the assay described in **SAM 625**.

9. Container Size, Type, Weight, or Volume: 150 µL 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 two months.

11. CVB Technical Contact: Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.

12. Origin and Passage History: Not applicable.

13. Method of Preparation: The hybridoma cell line was developed by immunizing BALB/c mice with an extract of *L. canicola* challenge strain 11203 and fusing splenocytes with Sp2/O myeloma cells. Ascites fluid was collected from BALB/c mice injected with hybridoma LC4DB, pooled, filtered, and frozen at -20°C or lower.

14. Other:

Restrictions: This reagent is provided by the CVB to biologics manufacturers only for use in potency testing according to **SAM 625**.

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

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

REVISED: 29Mar18 tlt