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: *Clostridium chauvoei* Flagella-specific Rabbit Polyclonal Antibody (detection antibody)

2. Strain or Source: Not applicable

3. Lot Number: IRP 440

4. Fill Date: March 1998

5. Expiration Date: 31Mar22

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

6. Intended Use: IRP 440 is for use in a capture enzyme-linked immunosorbent assay (ELISA) as described in the **BBPRO0220** for potency testing of *C. chauvoei* bacterins.

7. Instructions for Use: The detection antibody is provided undiluted in 20 µL amounts. For use in the ELISA, IRP 440 should be diluted approximately 1:20,000 in blocking solution/reagent diluent. For detailed instructions see **BBPRO0220**.

8. Test of Reagent:

Checkerboard ELISA – Tests were conducted to determine the optimum dilution of reagent. The specificity of the detection antibody was demonstrated by ELISA using purified *C. chauvoei* flagella and whole cell antigens of *Clostridium septicum, Clostridium perfringens,* and other clostridial species.

Sterility test – This reagent was tested for sterility and found to be free of viable bacteria and fungi.

9. Container Size, Type, Weight, or Volume: 20 µL aliquots in plastic vials.

10. Storage Conditions: Store at -20°C or lower. Once the detection antibody has been thawed, store at 2º- 7°C.

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: Polyclonal rabbit antiserum (detection antibody) was collected from rabbits hyper-immunized with purified *C. chauvoei* flagella. The detection antibody was absorbed with *Clostridium septicum* spores, centrifuged, filtered, and frozen at -70°C or lower.

14. Other: None

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