

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:** April 30, 2026

**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 CVB-PRO-0005 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 **CVB-PRO-0005, *Potency Testing of Clostridium chauvoei* Bacterins using an ELISA Procedure.**

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 2°- 7°C.
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6100.

**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.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.