

**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:** *Erysipelothrix rhusiopathiae* Reference Bacterin
2. **Strain or Source:** SE-9, serotype 2
3. **Lot Number:** IRP 609
4. **Fill Date:** November 1, 2012
5. **Expiration Date:** August 30, 2025

**Precautions:** This reagent does not present a hazard to laboratory personnel who work with it provided sound fundamental laboratory techniques are followed.

6. **Intended Use:** IRP 609 serves as a reference bacterin for testing the potency of bacterins containing *Erysipelothrix rhusiopathiae*.
7. **Instructions for Use:** Dilute IRP 609 1:1.6 in 0.85% saline just prior to use. This shall be considered undiluted reference bacterin. Prepare three-fold dilutions for use in the mouse potency test according to 9 CFR 113.119 and SAM 611. The mouse dose is 0.2 mL administered subcutaneously.
8. **Test of Reagent:** Reference bacterin IRP 609 was tested for sterility according to 9 CFR 113.26 and found to be free of viable fungi and bacteria. The preparation was also tested for potency using the mouse protection test as described in 9 CFR 113.119 and SAM 611.
9. **Container Size, Type, Weight or Volume:** 10-mL glass vials containing 5 mL of bacterin
10. **Storage Conditions:** Store at 2°-7°C
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6100.
12. **Origin and Passage History:** The master seed was received from R. Wood, USDA-ARS-NADC, Ames, IA 50010. The number of passages is unknown.
13. **Method of Preparation:** Rehydrated master seed SE-9 was expanded 6 hours in flasks containing *E. rhusiopathia* seed media, pH 7.2-7.4. The seed media culture was transferred to a

14-L fermenter vessel containing 10 L of production media, pH 7.2. The culture was incubated 7 hours at 35°-37°C while being mixed and purged with sterile air. The culture was inactivated with 0.5% formaldehyde (v/v). One-part sterile aluminum hydroxide (Rehydragel-L-V) was added per 4 parts formalinized culture.

**14. Other: None**

**Restrictions:** 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.