Erysipelothrix rhusiopathiae Challenge Culture - Lot ID IRP 592

Document Number: CVB-DAT-0108
Revision: 02

Previous Number: BBDAT0130.03

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Section/Area: CVB-DAT

Release Date: 03 Apr 2019

Notes: Strain or Source: E1-6P, Fill date: August 26, 2010
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* Challenge Culture

2. Strain or Source: E1-6P

3. Lot Number: IRP 592

4. Fill Date: August 26, 2010

5. Expiration Date: September 30, 2020

**Precautions:** *E. rhusiopathiae* can cause serious wound infections in humans (erysipeloid). This reagent should be handled under a biological safety hood while wearing gloves.

6. Intended Use: Challenge material for potency testing of *E. rhusiopathiae* biologicals.

7. Instructions for Use: For mouse potency tests, use this reagent according to current version of Supplemental Assay Method 611 (SAM 611). Reconstitute each vial with 1.5 mL of 1% peptone buffer. Use the entire contents of the vial to inoculate 100 mL of Erysipelas broth (a horse meat infusion buffer – formulation available upon request). After 18-24 hours of incubation, adjust the challenge culture to an optical density of 74-78%T at 600 nm using a Spectronic 20D+ spectrophotometer, or equivalent. The mouse challenge dose is 0.2 mL of a 10⁻³ dilution of the standardized culture, administered subcutaneously.

8. Test of Reagent: Purity according to 9 CFR 113.27. When prepared and administered to mice as described above, the material was found to contain from 10⁻⁷ to 10⁻⁸ mouse lethal dose fifty (LD50) per 0.2 mL.

9. Container Size, Type, Weight, or Volume: 2 mL of lyophilized culture in 5-mL serum vials.

10. Storage Conditions: 4°C or less

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

12. Origin and Passage History: Porcine isolate obtained from Dr. Richard G. Wood, USDA-ARS-NADC, Ames, Iowa. Passage history is not available.
13. **Method of Preparation:** Stock culture was rehydrated and grown in Erysipelas broth. An equal volume of double-strength skim milk was added as a stabilizer prior to lyophilization.

14. **Other:** None

**Restrictions:** For use in potency testing of *E. rhusiopathiae* biologicals.

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

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