Clostridium tetani Antitoxin 5.0 AU/mL (guinea pig origin) - Lot ID IRP 466

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Notes:  Strain or Source: N/A, Fill date: August 10, 2010
United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Center for Veterinary Biologies  
P. O. Box 844  
Ames, IA 50010

1. **Reagent Name:** *Clostridium tetani* Antitoxin 5.0 AU/mL (guinea pig origin)

2. **Strain or Source:** Not applicable

3. **Lot Number:** IRP 466

4. **Fill Date:** August 10, 2010

5. **Expiration Date:** March 30, 2024

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

6. **Intended Use:** To serve as the positive control serum when determining the antitoxin titer of guinea pig serum by ELISA, as outlined in Supplemental Assay Method (SAM) 217.

7. **Instructions for Use:** Use according to SAM 217.

8. **Test of Reagent:** The antitoxin titer of IRP 466 was quantitated by ELISA and the guinea pig toxin-antitoxin neutralization test as described in SAM 217, and title 9, *Code of Federal Regulations* (9 CFR), section 113.451, respectively. The serum contains 5.0 American antitoxin units per mL (AU/mL). The serum has been tested for the presence of viable bacteria and fungi as described in 9 CFR 113.26. No viable bacteria or fungi were found in the test vials.

9. **Container Size, Type, Weight, or Volume:** 0.5 mL microcentrifuge tubes containing 240 μL.

10. **Storage Conditions:** Store IRP 466 at -20°C or lower. After thawing, store at 2°- 7°C. Repeated freezing and thawing is not recommended.

11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologies, (515) 337-6140 or FAX (515) 337-7673.
12. **Origin and Passage History:** The serum was obtained from 350- to 550-gram female Hartley guinea pigs immunized with tetanus toxoid. The animals were purchased from Charles River Breeding Laboratories, Wilmington, Massachusetts.

13. **Method of Preparation:** Serum collected from immunized guinea pigs was mixed with serum from non-immunized guinea pigs using a ratio that provided 5 AU/mL. The serum mixture was filtered through a Millipore filtration unit containing a 0.22-μm membrane, dispensed aseptically into sterile vials, and stored at -50° to -90C. No preservatives were added to the serum.

14. **Other:** None

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.