



Animal and Plant  
Health Inspection  
Service

Veterinary Services

Center for Veterinary  
Biologics

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(515) 337-6100

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

**Document Number: CVB-DAT-0050**

**Revision: 02**

**Previous Number:** BBDAT0056.07

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**Section/Area:** CVB-DAT

**Release Date:** 03 Apr 2019

**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 Biologics  
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  $\mu$ L.
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 Biologics, (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- $\mu$ m 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](mailto:VS.DB.CVB.Reagent.Requests@aphis.usda.gov)

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