

**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:** Negative Guinea Pig Serum
2. **Strain or Source:** Not Applicable
3. **Lot Number:** IRP 550 (07)
4. **Fill Date:** April 19, 2007
5. **Expiration Date:** December 31, 2022

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

6. **Intended Use:** IRP 550 serves as the negative control serum when quantitating the tetanus antitoxin titer of guinea pig serum by ELISA.
7. **Instructions for Use:** When testing the potency of guinea pig tetanus antitoxin by ELISA, as described in **Supplemental Assay Method (SAM) 217**, dilute the serum 1:4,000 in PBS/milk/Tween diluent (0.015 M phosphate buffered saline, pH 7.2, 1% nonfat dry milk, 0.05% Tween 20). The test dilution is prepared by adding 0.1 mL of well mixed IRP 550 to 9.9 mL of PBS/milk/Tween diluent. The serum is further diluted to 1:4,000 by adding 0.1 mL of the 1:100 dilution to 3.9 mL of PBS/milk/Tween diluent.
8. **Test of Reagent:**

*Determination of Absorbance Values* - Absorbance values of less than 0.05 were recorded when IRP 550 was tested by ELISA as described in **SAM 217**.

*Sterility test* - The serum was tested for sterility and found to be free of viable bacteria and fungi according to procedures outlined in title 9, *Code of Federal Regulations* (9 CFR), section 113.25.
9. **Container Size, Type, Weight, or Volume:** Two-mL glass vials containing 1.2 mL of serum.
10. **Storage Conditions:** Store at -20°C or lower. Once the serum has been thawed store at 4°± 2°C.
11. **CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.

**12. Origin and Passage History:** Not applicable.

**13. Method of Preparation:** Serum was collected from 500-800 gram nonvaccinated female and male guinea pigs (purchased from Small Stock and Charles River Laboratories). The serum was passed through a sterile Millipore filtration unit containing a 0.22- $\mu$ m membrane, dispensed into sterile vials, and stored at -20°C.

**14. Other:** None

Reagent orders and feedback should be sent *including phone number* to the following email address: [CVB@aphis.usda.gov](mailto:CVB@aphis.usda.gov)

Reagent orders forms (APHIS 2018) are available from:  
[https://www.aphis.usda.gov/library/forms/pdf/APHIS\\_2018.pdf](https://www.aphis.usda.gov/library/forms/pdf/APHIS_2018.pdf)

**REVISED:** 19Jan18 jmw