Animal and Plant Health Inspection Service

Veterinary Services

Center for Veterinary Biologics

1920 Dayton Avenue
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Negative Guinea Pig Serum - Lot ID IRP 550 (07)

Document Number: **CVB-DAT-0092** **Revision:** **02**

Previous Number: BBDAT0113.04

Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 24 May 2021

Notes: *Strain or Source: N/A, Fill date: April 19, 2007*

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) 337-7020 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-µm 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: VS.DB.CVB.Reagents.Requests@usda.gov

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