

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:** Veterinary Rabies Reference Vaccine, killed virus
2. **Strain or Source:** Pitman-Moore
3. **Lot Number:** 17-06
4. **Fill Date:** January 22, 2018
5. **Expiration Date:** January 31, 2028

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

6. **Intended Use:** For use as a reference vaccine in the title 9, *Code of Federal Regulations*, (9 CFR), part 113.209 testing.

7. **Instructions for Use:** Reference the current edition of the World Health Organization's Laboratory Techniques in Rabies; *The National Institute of Health's (NIH) Test for Potency*; or the Center for Veterinary Biologics (CVB) Supplemental Assay Method 308 for use and formulations.

CVB Reference Lot 17-06 has been assigned a unitage of 55.8 International Units (IU) of rabies vaccine per vial. 55.8 IU/vial i.e., 55.8 IU/mL when reconstituted as directed in 1mL distilled water.

For use in *in vivo* NIH tests reconstitute the contents of each vial in 5 mL sterile distilled water (DI) Further dilute 1:11.16 with DI for a final dilution of 1:55.8 which is approximately 1 IU/mL. Use 1 IU/mL of rabies reference vaccine to prepare 5-fold dilutions (1:5 to 1:3125) in phosphate buffered saline. Vaccinate mice with dilutions (1:5 to 1:3125) of rabies reference vaccine. Freeze the remaining contents of the reconstituted rabies reference vaccine (5 mL vial) at -70°C for use in the second vaccination of the NIH test. Repeat the dilution process described above beginning with 1:11.16 dilution for use in the second vaccination.

8. **Test of Reagent:** Lot 17-06 was negative for viable rabies virus by intracerebral inoculation of mice and rabbits by 9 CFR 113.209(d)(2)(i). The vaccine was found to be free of mycoplasma and bacteria by 9 CFR 113.26 and 113.28 testing. The residual moisture content of the vaccine was equal to 0.5% by 9 CFR 113.29. The initial dilution value was determined by calibrating against the 6th International Rabies Reference vaccine in the NIH test.

9. **Container Size, Type, Weight, or Volume:** 5 mL (lyophilized) in a 20-mL glass serum bottle.
10. **Storage Conditions:** Store at  $-20^{\circ}\pm 4^{\circ}\text{C}$ .
11. **CVB Technical Contact:** Virology Section, Center for Veterinary Biologics, (515) 337-6100.
12. **Origin and Passage History:** The virus is the Pitman-Moore strain.
13. **Method of Preparation:** Lot 17-06 was grown in hamster kidney cells. Following 5 days of incubation, the virus was inactivated with beta-propiolactone. The vaccine was tested for purity and inactivation. The reference was bottled, lyophilized, sealed, and stored at  $-20^{\circ}\text{C}$ .
14. **Other:** None

**Restrictions:** (optional)

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

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