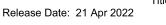
Title: Chicken Anemia Virus DNA Positive Control - Lot ID 15-07
Author: SCONRAD Document Number: CVB-DAT-0220.02
CONTROLLED//PROPIN//BASIC





Animal and Plant Health Inspection Service

Chicken Anemia Virus DNA Positive Control - Lot ID 15-07

Veterinary Services

Center for Veterinary Biologics

1920 Dayton Avenue PO Box 844 Ames, IA 50010

(515) 337-6100

Document Number: CVB-DAT-0220 Revision: 02

Previous Number: VIRDAT0069.03

Vault: CVB-Released

Section/Area: CVB-DAT

Effective Date: 21 Apr 2022

Notes: Strain/Source: Del-Ros Strain, Fill Date: April 13, 2015

Title: Chicken Anemia Virus DNA Positive Control - Lot ID 15-07
Release Date: 21 Apr 2022 Author: SCONRAD Document Number: CVB-DAT-0220.02
CONTROLLED//PROPIN//BASIC

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: Chicken Anemia Virus DNA Positive Control

2. Strain or Source: Del-Ros Strain

3. Lot Number: 15-07

4. Fill Date: April 13, 2015

5. Expiration Date: Not applicable

Precautions: There are no known hazards associated with this reagent.

- **6. Intended Use:** This CAV DNA is intended for use as an internal and external positive control for Polymerase Chain Reaction (PCR).
- 7. Instructions for Use: CAV DNA positive control is supplied at 1 x 10⁵ copies/µl and each vial is intended for a single use. Dilute 1:100 prior to use (example: 10 µl DNA into 990 µl of DNase/RNase free water). For internal controls, spike 100 µl of CAV DNA positive control into 100 µl of sample prior to extraction, for a total of 200 µl. For PCR external control, spike 10 µl of CAV DNA positive control directly into master mix.
- **8. Test of Reagent:** Sequencing results were edited and aligned with sequences deposited in Genbank. Nucleotide sequences from the CAV DNA standards showed 100% consensus identity corresponding to overlapping regions of VP2, VP3 and VP1 genes of Chicken Anemia Virus (GenBank: AY583755). Quantification of copy number per μl was performed using spectrophotometric analysis.
- 9. Container Size, Type, Weight, or Volume: 100 μL in a 500-μL matrix tube.
- 10. Storage Conditions: Store at -20°C until use.
- 11. **CVB Technical Contact:** Virology Section, Center for Veterinary Biologics (515-337-6100)
- **12. Origin and Passage History:** 419 base pair fragment from overlapping regions of the VP2-VP3 and VP1-VP2 genes from Chicken Anemia Virus.

Title: Chicken Anemia Virus DNA Positive Control - Lot ID 15-07
Release Date: 21 Apr 2022 Author: SCONRAD Document Number: CVB-DAT-0220.02
CONTROLLED//PROPIN//BASIC

13. Method of Preparation: The DNA control was generated using extracted DNA from the Del-Ros Strain and amplification performed as described in VIRPRO0118. The resulting CAV fragments were purified using the Qiaquick PCR Purification kit from Qiagen and quantified using a Nano Drop 2000 from Thermo Scientific. The quantified DNA was tenfold serially diluted with DNase/RNase free water to the concentration of 1×10^5 copies/ μ L and 100μ L aliquots were frozen at -20°C.

14. Other:

Restrictions: Single use aliquots. Stability has not been determined. Do not freeze/thaw.

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 Biologics Forms page of the CVB website.

REVISED: 01Sep15 skc