Summary of Studies Supporting USDA Product Licensure

Establishment Name	Intervet Inc.
USDA Vet Biologics Establishment Number	311
Product Code	7340.00
True Name	Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Sordellii-Tetani-Perfringens Types C & D Bacterin-Toxoid
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Cavalry 9 - Intervet, Inc. Cavalry 9 - No distributor specified
Date of Compilation Summary	February 28, 2022

Disclaimer: Do not use the following studies to compare one product to another. Slight differences in study design and execution can render the comparisons meaningless.

Study Type	Efficacy
Pertaining to	*Clostridium chauvoei, Clostridium septicum, Clostridium haemolyticum, Clostridium novyi, Clostridium sordellii, Clostridium tetani,* and *Clostridium perfringens Types C and D*
Study Purpose	To demonstrate effectiveness against disease caused by *C. chauvoei, C. septicum, C. haemolyticum,* by *C. novyi, C. sordellii, C. tetani,* and *C. perfringens Types C and D.*
Product Administration	Subcutaneous
Study Animals	Bovine
Challenge Description	
Interval observed after challenge	
Results	Study data were evaluated by USDA-APHIS prior to product licensure and met regulatory standards for acceptance at the time of submission. No data are published because this study was submitted to USDA-APHIS prior to January 1, 2007, and APHIS only requires publication of data submitted after that date.
USDA Approval Date	October 19, 2005

Study Type	Efficacy
Pertaining to	*Clostridium perfringens* Type D
Study Purpose	To demonstrate effectiveness against disease caused by *C. perfringens* Type D
Product Administration	Subcutaneous
Study Animals	Bovine, 6 months of age
Challenge Description	
Interval observed after challenge	Three (3) administrations, 21 days apart
Results	Study data were evaluated by USDA-APHIS prior to product licensure and met regulatory standards for acceptance at the time of submission. No data are published because this study was submitted to USDA-APHIS prior to January 1, 2007, and APHIS only requires publication of data submitted after that date.
USDA Approval Date	November 25, 2005

Study Type	Efficacy
Pertaining to	*Clostridium perfringens* Type D
Study Purpose	To demonstrate effectiveness against disease caused by *C. perfringens* Type D
Product Administration	Subcutaneous
Study Animals	Bovine, 3 months of age
Challenge Description	
Interval observed after challenge	Three (3) administrations, 21 days apart
Results	Study data were evaluated by USDA-APHIS prior to product licensure and met regulatory standards for acceptance at the time of submission. No data are published because this study was submitted to USDA-APHIS prior to January 1, 2007, and APHIS only requires publication of data submitted after that date.
USDA Approval Date	October 19, 2005

Study Type	Safety
Pertaining to	ALL
Study Purpose	Demonstrate safety under typical field conditions
Product Administration	Subcutaneous
Study Animals	Bovine
Challenge Description	
Interval observed after challenge	
Results	Study data were evaluated by USDA-APHIS prior to product licensure and met regulatory standards for acceptance at the time of submission. No data are published because this study was submitted to USDA-APHIS prior to January 1, 2007, and APHIS only requires publication of data submitted after that date.
USDA Approval Date	January 4, 2006