Summary of Studies Supporting USDA Product Licensure

Establishment Name	Intervet Inc.
USDA Vet Biologics Establishment Number	165A
Product Code	7425.02
True Name	Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C & D-Moraxella Bovis Bacterin-Toxoid
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Bovilis Piliguard Pinkeye+7 - Merck Animal Health Piliguard Pinkeye+7 - Merck Animal Health Piliguard Pinkeye+7 - No distributor specified
Date of Compilation Summary	October 27, 2021

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	*Clostridial Fractions: Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C&D*
Study Purpose	To demonstrate Efficacy of the Clostridial Fractions
Product Administration	Subcutaneous
Study Animals	
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 for 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	March 8, 2000

Study Type	Efficacy
Pertaining to	*Moraxella bovis*
Study Purpose	To demonstrate effectiveness against *Moraxella bovis*
Product Administration	Subcutaneous
Study Animals	Bovine
Challenge Description	*M. bovis*
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 for 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	March 8, 2000

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 1, 2001