Summary of Studies Supporting USDA Product Licensure

Establishment Name	Intervet Inc.
USDA Vet Biologics Establishment Number	165A
Product Code	2772.03
True Name	Moraxella Bovis Bacterin
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Bovilis Piliguard Pinkeye - Merck Animal Health Piliguard - Intervet Veterinaria Chile Ltda Piliguard Pinkeye-1 - MSD Animal Health Piliguard Pinkeye-1 Trivalent - Merck Animal Health Piliguard Pinkeye-1 Trivalent - No distributor specified Piliguard Pinkeye-1 Trivalent - Schering-Plough Animal Health Limited (New Zealand) - Merck Animal Health Piliguard Querato I Oleoso - Intervet Argentina S.A.
Date of Compilation Summary	October 08, 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	*Moraxella bovis*
Study Purpose	To demonstrate effectiveness against *Moraxella bovis*
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 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	December 17, 1990

Study Type	Efficacy
Pertaining to	*Moraxella bovis*
Study Purpose	To demonstrate effectiveness against infection caused by *Moraxella bovis*
Product Administration	Intramuscular
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 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	April 25, 1990

Study Type	Safety
Pertaining to	ALL
Study Purpose	Demonstrate safety under typical field conditions
Product Administration	Intramuscular & 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	December 18, 1990