Summary of Studies Supporting USDA Product Licensure

Establishment Name	Boehringer Ingelheim Animal Health USA Inc.
USDA Vet Biologics Establishment Number	124
Product Code	2660.00
True Name	Haemophilus Somnus-Mannheimia Haemolytica-Pasteurella Multocida Bacterin
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Bar Somnus 2P - No distributor specified
Date of Compilation Summary	November 27, 2020

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	*Haemophilus somnus*
Study Purpose	Demonstration of efficacy against *Haemophilus somnus*
Product Administration	
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	May 5, 1981

Study Type	Efficacy
Pertaining to	*Mannheimia haemolytica*
Study Purpose	Demonstration of efficacy against disease caused by *Mannheimia haemolytica*
Product Administration	
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	August 1, 1978

Study Type	Efficacy
Pertaining to	*Pasteurella multocida*
Study Purpose	Demonstration of efficacy against respiratory disease caused by *Pasteurella multocida*
Product Administration	
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	August 1, 1978

Study Type	Safety
Pertaining to	All fractions
Study Purpose	To demonstrate safety under field conditions
Product Administration	
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 of submission. Study data, however, are not available.
USDA Approval Date	Prior to August 1981