



## Summary of Studies Supporting USDA Product Licensure

Establishment Name	Zoetis Inc.
USDA Vet Biologics Establishment Number	190
Product Code	2862.10
True Name	Campylobacter Fetus Bacterin
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Vibrin - No distributor specified
Date of Compilation Summary	February 25, 2023

**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.**

<b>Study Type</b>	Efficacy
<b>Pertaining to</b>	<i>Campylobacter fetus</i> ( <i>C. fetus</i> )
<b>Study Purpose</b>	Demonstrate efficacy against campylobacteriosis (vibriosis) caused by <i>C. fetus</i>
<b>Product Administration</b>	
<b>Study Animals</b>	Cows and heifers
<b>Challenge Description</b>	
<b>Interval observed after challenge</b>	
<b>Results</b>	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 no longer available.
<b>USDA Approval Date</b>	3/20/1968

<b>Study Type</b>	Safety
<b>Pertaining to</b>	<i>Campylobacter fetus</i>
<b>Study Purpose</b>	Demonstrate safety under field conditions
<b>Product Administration</b>	
<b>Study Animals</b>	Bovine
<b>Challenge Description</b>	NA
<b>Interval observed after challenge</b>	
<b>Results</b>	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.
<b>USDA Approval Date</b>	