



## Summary of Studies Supporting USDA Product Licensure

Establishment Name	Zoetis Inc.
USDA Vet Biologics Establishment Number	190
Product Code	1081.00
True Name	Bordetella Bronchiseptica Vaccine, Avirulent Live Culture
Tradenname(s) / Distributor or Subsidiary (if different from manufacturer)	Protech Bronchi-Shield I - Zoetis New Zealand Ltd Vanguard B (IN) - No distributor specified
Date of Compilation Summary	March 16, 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.**

<b>Study Type</b>	Efficacy
<b>Pertaining to</b>	<i>Bordetella bronchiseptica</i> ( <i>B. bronchiseptica</i> )
<b>Study Purpose</b>	To demonstrate effectiveness against respiratory disease caused by <i>B. bronchiseptica</i>
<b>Product Administration</b>	Intranasal
<b>Study Animals</b>	
<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. 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>	December 16, 1992

<b>Study Type</b>	Safety
<b>Pertaining to</b>	ALL
<b>Study Purpose</b>	To evaluate safety under typical field conditions.
<b>Product Administration</b>	Intranasal
<b>Study Animals</b>	
<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. 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>	December 16, 1992