

Summary of Studies Supporting USDA Product Licensure

Establishment Name	Boehringer Ingelheim Animal Health USA Inc.
USDA Vet Biologics Establishment Number	124
Product Code	10L1.01
True Name	Lawsonia Intracellularis Vaccine, Avirulent Live Culture
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Enterioa lleitis - Bochringer Ingelheim (Canada) Ltd Enterioa lleitis - Bochringer Ingelheim (Schweiz) GmBH, Switzerland Enterioa lleitis - Bochringer Ingelheim (Tahi) Ltd. Enterioa lleitis - Bochringer Ingelheim (Aminal Health Australia Pty. Ltd. Enterioa lleitis - Bochringer Ingelheim Animal Health Australia Pty. Ltd. Enterioa lleitis - Bochringer Ingelheim Animal Health Australia Pty. Ltd. Enterioa lleitis - Bochringer Ingelheim Animal Health Mexico Enterioa lleitis - Bochringer Ingelheim Animal Health Philippines, Inc. Enterioa lleitis - Bochringer Ingelheim Animal Health Portugal Enterioa lleitis - Bochringer Ingelheim Animal Health Ortugal Enterioa lleitis - Bochringer Ingelheim Animal Health do Brasil Ltda Enterioa lleitis - Bochringer Ingelheim Animal Health do Brasil Ltda Enterioa lleitis - Bochringer Ingelheim Manimal Health do Brasil Ltda Enterioa lleitis - Bochringer Ingelheim Wettmedica GmBH Enterioa lleitis - Bochringer Ingelheim Vettmedica GmBH Enterioa lleitis - No distributor specified Enterioa lleitis - No distributor specified Enterioa lleitis vet - No distributor specified Oralisol - Bochringer Ingelheim Vettmedica GmBH Enterioa lleitis vet No distributor specified Oralisol - Bochringer Ingelheim Letteroa GmBH Enterioa lleitis vet No distributor specified
Date of Compilation Summary	February 13, 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.

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Study Type	Efficacy
Pertaining to	Lawsonia Intracellularis
Study Purpose	Demonstration of Efficacy against <i>Lawsonia intracellularis</i> including gross and microscopic lesions in the ileum/colon
Product Administration	Administered orally by oral drench
Study Animals	Twenty-five pigs, 3 weeks of age or older, divided into 15 vaccinates and 10 controls
Challenge Description	Pigs were challenged with live <i>Lawsonia intracellularis</i> 3 weeks after vaccination.
Interval observed after challenge	Pigs were observed daily for clinical signs of <i>Lawsonia</i> intracellularis for 21 days after challenge, and then tissues were examined grossly and microscopically.
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	July 11, 2003

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Study Type	Efficacy
Pertaining to	Lawsonia Intracellularis
Study Purpose	Demonstration of 3 week onset of immunity against <i>Lawsonia</i> intracellularis
Product Administration	Administered orally in drinking water
Study Animals	Pigs
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	June 7, 2004

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Study Type	Safety
Pertaining to	Lawsonia Intracellularis
Study Purpose	To demonstrate safety under field conditions
Product Administration	Administered orally in drinking water
Study Animals	1279 pigs 3-4 weeks of age, divided into 640 vaccinates and 639
	controls
Challenge Description	N/A
Interval observed after	N/A
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	June 25, 2003

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