

Establishment Name	Zoetis Inc.
USDA Vet Biologics Establishment Number	190
Product Code	1551.R0
True Name	Escherichia Coli Vaccine, Live Culture
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Poulva E. coli - Agrimato Limited Algeria Poulva E. coli - No distibuet specified Poulva E. coli - No tisised Poulva E. coli - SARL BIOLAB VETERINAIRE Poulva E. coli - Zoetis Animal Health Lid - Istanbul Poulva E. coli - Zoetis Angentina Poulva E. coli - Zoetis Algentina Py Lid Poulva E. coli - Zoetis Algentina SAS. Poulva E. coli - Zoetis Mustia Py Did Poulva E. coli - Zoetis Mustia Poulta Poulva E. coli - Zoetis Mustia Poulta Poulva E. coli - Zoetis Mustia Poulva E. coli - Zoetis Russia Poulva E. coli - Zoetis Russia Poulva E. coli - Zoetis Russia Poulva E. coli - Zoetis Russia
Date of Compilation Summary	September 22, 2022

## 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	Escherichia coli			
Study Purpose	Demonstrate efficacy against Escherichia coli			
Product Administration	Spray			
Study Animals	Chickens			
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	September 20, 2004			

Study Type	Efficacy					
Pertaining to	Escherichia coli					
Study Purpose		To determine efficacy against Escherichia coli				
Product	Drinking wa	ater				
Administration						
Study Animals	Day-of-age chickens divided into 2 groups:					
	Group 1 vaccinated with product and challenged					
	Group 2 pla	Group 2 placebo vaccinated and challenged				
<b>Challenge Description</b>	Virulent E. coli O78 given at 6 weeks of age					
Interval observed	Observed daily until 7 days post-challenge					
after challenge						
Results	Vaccinates and controls were evaluated for signs of colibacillosis caused by					
	Escherichia coli.					
	Group # birds positive / # challenged					
		mortality	pericarditis	perihepatitis	airsacculitis	any lesion
		5	1	1 1	(as)	5
	Vaccinate	0/28	4/28	2/28	5/28	5/28
	Control	4/30	23/30	22/30	23/30	23/30
	Raw data unavailable.					
	<b>D</b> 1 00	2010				
USDA Approval Date	February 22	, 2010				

Study Type	Efficacy					
Pertaining to	Escherichia coli					
Study Purpose	To determine efficacy against Escherichia coli					
Product	Coarse spray at 3 days of age and 3 weeks of age					
Administration						
Study Animals	Turkeys divided into 2 groups:					
	Group 1 vaccinated with product and challenged					
	Group 2 placebo vaccinated and challenged					
Challenge	Virulent E. coli O78 given at 6 weeks of age					
Description						
Interval	Observed until 7 days post-challenge.					
observed after						
challenge						
Results	Vaccinates and controls were evaluated for signs of colibacillosis caused by					
	Escherichia coli.					
	Group # birds positive / # challenged					
		mortality	pericarditis	perihepatitis	airsacculitis	any lesion
					(as)	
	Vaccinate	17/95	57/95	17/95	57/95	58/95
	Control	27/94	78/94	45/94	78/94	78/94
	Raw data unavailable.					
USDA	February 22, 2010					
<b>Approval Date</b>						

G <sub>4</sub> L T				
Study Type	Safety			
Pertaining to	All fractions			
Study Purpose	To demonstrate safety under field conditions			
<b>Product Administration</b>				
Study Animals	Chickens			
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	February 24, 2006			