

## **Summary of Studies Supporting USDA Product Licensure**

Establishment Name	Biomune Company				
USDA Vet Biologics Establishment Number	368				
Product Code	1045.21				
True Name	Avian Reovirus Vaccine, Killed Virus				
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)					
Date of Compilation Summary	September 13, 2019				

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	Safety									
Pertaining to	ALL									
Study Purpose	Demonstrate safety of product under typical use conditions.									
Product	One dose administered via the intramuscular route.									
Administration										
Study Animals	Commercial broiler breeder chickens at 12 weeks of age via the									
	intramuscular route. 72,129 chickens were vaccinated with Product and									
	68,801 chickens were kept as controls.									
Challenge	Not applicable									
Description										
Interval observed	Animals were observed daily for mortality through no less than 21 days									
after challenge	after vaccination.									
Results										
		Vaccine		No. of		Mortality		Observations		
	Location	Serial No./ Treatment	House No.	Chickens Placed	No. Days observed	Total	Percent			
		Group		Placed		1000	T CT CC			
	KY	Product	2	24,914	23	142	0.57	No adverse reactions		
		Control	1	23,762	381	330	1.39	No adverse reactions		
	AL	Product	2	27,633	22	93	0.34	No adverse reactions		
		Control	1	27,482	44¹	178	0.65	No adverse reactions		
	PA	Product	Bottom	8,431	21	37	0.44	No adverse reactions		
		Product	1	11,151	24	34	0.30	No adverse reactions		
		Total	NA	19,582	NA	71	0.36	NA		
		Control	Тор	8,690	21	73	0.84	No adverse reactions		
		Control	2	8,867	24	27	0.30	No adverse reactions		
		Total	NA	17,557	NA	100	0.57	NA		
	<sup>1</sup> Observation period is longer due to the older age of the control group (14-18 weeks of age) at time of vaccination with the product.									
LICDA Az	No adverse reactions attributable to the vaccine were recorded.									
USDA Approval	July 22, 2	2019								
Date										

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