

Establishment Name	Great Vaccine Compa	any		
USDA Vet Biologics Establishment Number	000			
Product Code	49K5.XX			
True Name	Porcine Circovirus V Hyopneumoniae Bact	accine, Killed Virus, Mycoplasma terin		
Trade Name(s)/Distributor (if different from manufacturer)	Tradename PigVacc Plus	<b>Distributor</b>		
Data of Compilation	OinkVacc	ABC Distributing		
Date of Compilation Summary	November 13, 2015			

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.



Study Type	Efficacy							
Pertaining to	Circovirus, Porcine, Type 2 (PCV2)							
Study Purpose	Pivotal efficacy against porcine circovirus-associated disease					se		
Product Administration			tered intramu					
Study Animals						randomly div	vided	
				-		e 12 days of		
	the time o			2			8	
Challenge Description				vs after	vaccina	tion with PC	V2.	
Observation interval			examined 34					
after last treatment	J			j		8		
Results	tissues, ar depletion) mesenteri <b>Results:</b> I vaccinates	Pigs were evaluated for the presence of PCV2 in lymphoid tissues, and pathologic changes in lymph nodes (lymphoid depletion). Tissues examined included tracheobronchial, mesenteric and sub-iliac lymph nodes, as well as the tonsil. <b>Results:</b> PCV2 was recovered from lymphoid tissues of 3/20 vaccinates and 17/20 control piglets. Lymphoid depletion was observed in lymph nodes of 3/20 vaccinates and 16/20 controls.						
	Control ID							
	1	+	+	1	-	-		
	2	+	+	2	-	-		
	3	-	-	3	+	+		
	4	+	+	4	-	-		
	5	+	+	5	-	-		
	6	+	+	6	-	-		
	7	+	+	7				
	8	+	+	8	+	+		
	9	+	+	9	-	-		
	10	-	-	10	-	-		
	11 + + 11							
	12	-	-	12				
	13	+	+	13	+	+ +		
	14	+	+	14	-	-		
	15	+	+	15	-	-		
	16	+	+	16	_	-		
	17	+	+	17	_	-		
	18	+	+	18	-			
	19	+	+	19				
	20	+ - 20						
USDA Approval Date	Septembe	r 10, 201	12					



Study Type	Efficacy					
Pertaining to	Mycoplasma hyopneumoniae					
Study Purpose	Efficacy against resp	Efficacy against respiratory disease				
Product	2 doses, given intram	uscularly, 2	2 wee	ks apart		
Administration (# doses, route of administration, interval between doses)						
<b>Study Animals</b> (species, age at first product administration, number per treatment group)	Commercial pigs, 3 v					
<b>Challenge Description</b> (agent, route of administration, interval between last product dose and challenge)	<i>Mycoplasma hyopneumoniae</i> , given 3 weeks after final vaccination					
Interval observed after	Lungs evaluated 4 weeks after challenge					
challenge						
Results	The percent of the lung mass that was abnormal (consolidated) was calculated for every animal. 5-number summary for lung consolidation (%)					
	Treatment	-	$Q_1$		$Q_3$	Maximum
	Controls	4.4	7.5	13.2	18.0	26.3
	Vaccinates	0.0	2.0	5.3	10.5	20.8
	Raw data shown on attached page.					
USDA Approval Date	July 13, 2013					



#### Lung consolidation scores (%), in order of rank:

Vaccinate	Control
0.1	0
0.1	0.3
0.1	1.0
0.1	2.3
0.1	2.5
0.2	3.0
0.3	3.1
0.3	4.5
0.3	6.7
0.5	8.2
0.5	8.2
0.6	10.8
0.7	11.0
1.1	11.3
1.3	12.1
1.8	12.5
1.9	14.1
2.0	14.8
5.3	15.1
5.7	18.0
10.2	20.1
10.7	23.2
10.9	24.8
33.3	35.0



Study Type	Safety						
Pertaining to	All fractions						
Study Purpose	Field safety after single 2-ml dose administration						
<b>Product Administration</b> (# doses, route of administration, interval between doses)	Single dose, given intramuscularly						
<b>Study Animals</b> (species, age at first product administration, number per treatment group)	Commercial pigs, at least 1/3 at 3 weeks of age. 3 independent study sites, with at least 250 pigs per site, randomly divided among two batches of vaccine (T01 and T02 groups) and placebo (T03 group.						
<b>Challenge Description</b> (agent, route of administration, interval between last product dose and challenge)	NA						
Interval observed after challenge or final treatment	21 days						
Results	Frequency of adverse events	T01 min age	T01 others	T02 min age	T02 others	T03 min age	T03 others
	Injection Site Swelling (transient, ≤2 cm diameter)	10	6	3	2	0	0
	Respiratory Distress	0	0	0	1	0	0
	Pain on injection	3	0	8	3	3	0
	No adverse events	87	194	89	194	57	60

Date of USDA Study	December 14, 2013
Approval	