

Establishment Name	Hygieia Biological Laboratories
USDA Vet Biologics Establishment Number	407
Product Code	1544.00
True Name	Epizootic Bovine Abortion Agent Vaccine, Live Culture
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	
Date of Compilation Summary	September 07, 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.

Study Type	Safety							
Pertaining to	All fractions							
Study Purpose	To demonstrate safety under field conditions							
Product	One dose injected subcutaneously							
Administration								
Study Animals	Cattle							
Challenge	Not Applicable							
Description								
Interval	Variable intervals of observation by day post vaccination (DPV) based on							
observed after	study site							
challenge	Ranch	0	bservation Type		Study Day			
	Site 1		Group		0, 8, 15, 19, 28			
	n = 74	Individuals		31 (N = 18), 34 (N = 56),				
					8 (N = 40), 73 (N = 34)			
	Site 2		Group		0, 1, 7, 11, 17, 24, 29			
	n = 12		Individuals	38, 86				
	Site 3		Group		0			
	n = 31		Individuals	38				
			Group		0			
	Site 4 n = 157		Individuals	3. 30				
	···· ···	,	narmanua		0,00			
Results	Number of animals Ranch	with N	a reaction 40 day Injection Site Reaction	rs or less sin Percent	nce vaccination.			
	Site 1.a	31	10	32.3	-			
	Site 1.b	30	9	30.0				
	Site 1.c	13	3	23.1				
	Site 2	12	5	41.7				
	Site 3	31	5	16.1				
	Site 4.a	93	2	2.2				
	Site 4.b	64	3	4.7				
	No adverse read	tions	s observed aft	er 40 DPV	ν.			
USDA	7/13/2020							
<b>Approval Date</b>								