

Summary of Studies Supporting USDA Product Licensure

Establishment Name	Zoetis Inc.
USDA Vet Biologics Establishment Number	190
Product Code	19X5.R1
True Name	Mink Coronavirus Vaccine, Subunit
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	
Date of Compilation Summary	April 15, 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		
Study Purpose	To demonstrate safety under field conditions		
Product Administration	Two doses, administered subcutaneously, 3 weeks apart.		
Study Animals	The study involved 90 seronegative adult mink in total, aged 8 to		
	20 months old, from 3 sites in 2 different geographical locations.		
Challenge Description	Not applicable		
Interval observed after	Animals were monitored prior to the first vaccination through 14		
challenge	days following the second vaccination. Daily observations were		
	made for visible injection site reactions, including size, redness,		
	or ulceration.		
Results	No immediate reactions were observed. No injection site		
	reactions or swellings were observed.		
	Only 1 abnormal health event occurred with the animal found		
	deceased on Study Day 33. Based on necropsy, the cause of		
	death was determined to be cystitis and acute renal failure which		
	is common to breeding-age females and not related to the		
	investigational product.		
USDA Approval Date	20 December, 2021		

Study Type	Safety					
Pertaining to	ALL					
Study Purpose	To demonstrate safety under field conditions during emergency use authorization.					
Product	Two doses, administered subcutaneously, 3 weeks apart.					
Administration						
Study Animals	The study involved administration in kits (6-8 weeks of age at 1^{st} vaccination), and adult mink (≥ 8 weeks of age at 1^{st} vaccination). The mink were located over 11 states in 4 geographical locations.					
Challenge	Not applicable					
Description						
Interval	Animals were monitored following vaccination according to individual					
observed after	farm practices for animal health observations.					
challenge						
	mink in 2021. Table 1. Distribution of Vaccine by Geographic Location					
	Geographical		Approximate	Approximate		
	Location	Total Doses	Doses to Kits	Doses to Adults		
		Total Doses 1,955,927	Doses to Kits 1,639,147	Doses to Adults316,780		
	Location					
	Location Midwest West Northwest	1,955,927 502,000 214,850	1,639,147 443,150 187,625	316,780 58,850 27,225		
	Location Midwest West Northwest East	1,955,927 502,000 214,850 417,200	1,639,147 443,150 187,625 289,465	316,780 58,850 27,225 57,235		
	Location Midwest West Northwest	1,955,927 502,000 214,850	1,639,147 443,150 187,625	316,780 58,850 27,225		
	LocationMidwestWestNorthwestEastTotalThe only reportedwithin numbers excomparable to tho	1,955,927 502,000 214,850 417,200 3,089,977 abnormal health even pected at each farm	1,639,147 443,150 187,625 289,465 2,559,387 ents recorded were dea site. The numbers and hals vaccinated in previous states in previous states in the states of the second states in the s	316,780 58,850 27,225 57,235 460,090 aths, which were 1 rates reported were		
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