

Summary of Studies Supporting USDA Product Licensure

Establishment Name	Zoetis Inc.
USDA Vet Biologics Establishment Number	190
Product Code	16D1.20
True Name	Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Modified Live Virus
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Feline Guard 3 - Zoetis Australia Pty Ltd Felocell 3 - No distributor specified Felocell 3 - Zoetis Mexico Felocell 3 - Zoetis Mexico Felocell 3 - Zoetis Mexico Felocell 3 - Zoetis South Africa Ltd Felocell 3 - Zoetis South Africa Ltd Felocell CVR - No distributor specified Felocell CVR - No distributor specified Felocell CVR - Zoetis Industria Produtos Veterinarios Ltda. Felocell CVR - Zoetis Austria Produtos Veterinarios Ltda. Felocell CVR - Zoetis Mussia Vanguard Feline RCP - No distributor specified Zoetis Mexico
Date of Compilation Summary	July 20, 2021

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.

190 16D1.20 Page 1 of 7

Study Type	Efficacy	
Pertaining to	Feline Calicivirus	
Study Purpose	Demonstrate efficacy against feline calicivirus	
Product	Two 1ml doses, administered subcutaneously, 3 weeks apart.	
Administration		
Study Animals	Study involved 20 vaccinates cats for vaccination and 10 continitial vaccination were 9-12 weeks of age.	rols. Cats at
Challenge	Feline Calicivirus challenge was administered into the nose, ev	ves and mouth 6
Description	weeks after the initial vaccination.	yes and mount
Interval observed	During the 13-day post-challenge, all vaccinate and controls w	vere observed for
after challenge	temperatures and clinical symptoms.	
Results	A numerical value key was prepared for evaluating clinical syras follows: Clinical Observations	Numerical
	N. 1	Value
	Normal	1
	Mouth ulcer <3 mm	2
	Mouth ulcers 2-3 <3 mm, or 1 ulcer >3 mm	3
	More than 3 distinct ulcers, or ulcers with early erosion	4
	Mouth ulcers with excessive erosion	5
	Eroded mouth ulcers with bleeding and/or salivation	6
	Mouth and/or nasal erosions with anorexia and depression	7
	Labored breathing and/or pneumonia	9
	Death	10
	Data table is appended to end of this summary.	
USDA Approval Date	9/22/1978	

190 16D1.20 Page 2 of 7

								Cillinal Scole by Post-Cildinelige Day	1000	cingo Day						
	Day 0	Day 1	Day 2	Day 3		Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10		Day 11	Day 12	Day 13
Vacc 1	, 7	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 2	,-7	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 3	,-7	1	1	1	1	1		2	2	2	3	3	2	1		1
Vacc 4	,-7	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 5	,-7	1	1	1	1	1		1	1	1	1	1	1	1		_
Vacc 6	, ,	1	1	1	1	1		1	1	1	1	1	1	1		
Vacc 7	,	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 8	, , ,	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 9	, , ,	1	1	1	1	3		3	3	3	3	3	3	3		2
Vacc 10	, , ,	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 11	,-7	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 12	,-	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 13	,-	1	1	1	1	1		1	1	1	1	1	1	1		
Vacc 14	,-	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 15	1		1	1	1	1		1	1	1	1	1	1	1		1
Vacc 16	,-	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 17	,-	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 18	,-	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 19	,-	1	1	1	1	1		1	1	1	1	1	1	1		1
Vacc 20	, 7	1	1	1	1	1		1	1	1	1	1	1	1		1
Control 1	1	1	1	4	9	6		8	8	9	5	4	4	4		3
Control 2	1	1	1	1	2	3		3	3	3	3	3	3	2		2
Control 3	Ţ	1	1	1	3	3		4	3	3	3	2	2	2		1
Control 4	Ţ	1	1	1	2	2		3	3	3	3	3	3	3		3
Control 5	-	1	1	1	3	6		9	2	2	2	2	5	4		3
Control 6	Ţ	1	1	1	2	2		2	2	2	2	2	2	2		1
Control 7	Ţ	1	1	1	1	2		4	4	4	4	4	4	4		3
Control 8	Ţ	1	1	1	1	9		4	4	4	4	4	3	2		1
Control 9	1	1	1	1	1	1		1	1	1	1	1	1	3		2
Control 10		1	1	1	3	3		3	2	2	2	2	٠	,		

190 16D1.20 Page 3 of 7

Study Type	Efficacy
Pertaining to	Feline Rhinotracheitis Virus
Study Purpose	To demonstrate efficacy against Feline Rhinotracheitis Virus
Product Administration	Subcutaneous
Study Animals	Cats
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 20, 1981

190 16D1.20 Page 4 of 7

Study Type	Efficacy
Pertaining to	Feline Panleukopenia virus
Study Purpose	To demonstrate efficacy against Feline Panleukopenia virus
Product Administration	Subcutaneous and intramuscular
Study Animals	Cats
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	November 21, 1979

190 16D1.20 Page 5 of 7

Study Type	Efficacy
Pertaining to	Feline Panleukopenia Virus
Study Purpose	To demonstrate efficacy against Feline Panleukopenia Virus
Product Administration	
Study Animals	Cats
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	17 February, 1972

190 16D1.20 Page 6 of 7

Study Type	Safety
Pertaining to	ALL
Study Purpose	Demonstrate safety of product under typical field conditions.
Product Administration	
Study Animals	Cats
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	12 December 1978

190 16D1.20 Page 7 of 7