

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

Establishment Name	Zoetis Inc.
USDA Vet Biologics Establishment Number	190
Product Code	16E1.20
True Name	Feline Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci Vaccine, Modified Live Virus, Modified Live Chlamydia
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Felocell 4 - No distributor specified Felocell 4 - Zoetis (Thailand) Limited Felocell 4 - Zoetis Israel Holding BV Felocell 4 - Zoetis Korea Felocell 4 - Zoetis New Zealand Ltd Felocell 4 - Zoetis Russia Felocell 4 - Zoetis Russia Felocell 4 - Zoetis Russia - Zoetis LLC Felocell 4 - Zoetis South Africa Ltd Felocell 4 - Zoetis import Egypt Felocell CVR-C - Zoetis Industria Produtos Veterinarios Ltda. Vanguard Feline RCP+Ch - No distributor specified
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.

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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 contr	rols. Cats at
	initial vaccination were 9-12 weeks of age.	
Challenge	Feline Calicivirus challenge was administered into the nose, ey	yes and mouth 6
Description	weeks after the initial vaccination.	
Interval observed	During the 13-day post-challenge, all vaccinate and controls w	ere observed for
after challenge	temperatures and clinical symptoms.	
Results	A numerical value key was prepared for evaluating clinical syras follows:	Numerical
	Clinical Observations	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	9/22/1978	
Date		
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								Clinical score by Post-Challenge Day	V POSC-CITAL	LEII BE 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		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		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	2	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	5	5	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	3	3	2	0	٠	,		

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Study Type	Efficacy
Pertaining to	Chlamydia psittaci
Study Purpose	To demonstrate efficacy against Feline Chlamydia
<b>Product Administration</b>	Subcutaneous
Study Animals	Cats
<b>Challenge Description</b>	
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.
<b>USDA Approval Date</b>	January 5, 1987

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Study Type	Efficacy
Pertaining to	Feline Rhinotracheitis Virus
Study Purpose	To demonstrate efficacy against Feline Rhinotracheitis Virus
<b>Product Administration</b>	Subcutaneous
Study Animals	Cats
<b>Challenge Description</b>	
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.
<b>USDA Approval Date</b>	February 20, 1981

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Study Type	Efficacy
Pertaining to	Feline Panleukopenia virus
Study Purpose	To demonstrate efficacy against Feline Panleukopenia virus
<b>Product Administration</b>	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.
<b>USDA Approval Date</b>	November 21, 1979

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Study Type	Efficacy
Pertaining to	Feline Panleukopenia Virus
Study Purpose	To demonstrate efficacy against Feline Panleukopenia Virus
<b>Product Administration</b>	
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

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Study Type	Safety
Pertaining to	ALL
<b>Study Purpose</b>	Demonstrate safety of product in typical field conditions.
<b>Product Administration</b>	
Study Animals	Cats
<b>Challenge Description</b>	
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.
<b>USDA Approval Date</b>	13 March 1987

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