Summary of Studies Supporting USDA Product Licensure

Establishment Name	United Vaccines, Inc.
USDA Vet Biologics Establishment Number	245
Product Code	4929.31
True Name	Mink Distemper-Enteritis Vaccine, Modified Live & Killed Virus, Clostridium Botulinum Type C Bacterin-Toxoid
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	Biocom-D - No distributor specified
Date of Compilation Summary	January 26, 2020

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	*Clostridium botulinum* Type C Bacterin-Toxoid
Study Purpose	To demonstrate efficacy against Type C botulism
Product Administration	
Study Animals	Ferret
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. Study data, however, are no longer available.
USDA Approval Date	15 May 1975

Study Type	Efficacy
Pertaining to	Distemper Virus
Study Purpose	To demonstrate efficacy against distemper virus
Product Administration	
Study Animals	Ferret
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. Study data, however, are no longer available.
USDA Approval Date	24 November 1969

Study Type	Efficacy
Pertaining to	Mink Enteritis Virus Type 1 Mink Enteritis Virus Type 2
Study Purpose	To demonstrate efficacy against virus enteritis, types 1 and 2
Product Administration	
Study Animals	Ferret
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. Study data, however, are no longer available.
USDA Approval Date	07 June 1989

Study Type	Safety
Pertaining to	ALL
Study Purpose	To demonstrate safety under field conditions
Product Administration	
Study Animals	Ferret
Challenge Description	Not applicable
Interval observed after vaccination	
Results	Study data were evaluated by USDA-APHIS prior to product licensure and met regulatory standards for acceptance at the time of submission. Study data, however, are no longer available.
USDA Approval Date	06 July 1989