



Summary of Studies Supporting USDA Product Licensure

Establishment Name	ARKO Laboratories, Ltd.
USDA Vet Biologics Establishment Number	337
Product Code	19A1.00
True Name	Salmonella Choleraesuis Vaccine, Avirulent Live Culture
Tradename(s) / Distributor or Subsidiary (if different from manufacturer)	NITRO-SAL - No distributor specified
Date of Compilation Summary	January 21, 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	Salmonella choleraesuis
Study Purpose	Demonstrate effectiveness against Salmonella choleraesuis
Product Administration	
Study Animals	Pigs
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	June 23, 1993

Study Type	Safety
Pertaining to	Salmonella choleraesuis
Study Purpose	Demonstrate safety under typical field conditions
Product Administration	
Study Animals	Pigs
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	September 27, 1993