



## Summary of Studies Supporting USDA Product Licensure

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|---|--|
| Establishment Name  | Colorado Serum Company                       |
| USDA Vet Biologics Establishment Number                                   | 188  |
| Product Code  | 1841.00                                      |
| True Name   | Parainfluenza 3 Vaccine, Modified Live Virus |
| Tradename(s) / Distributor or Subsidiary (if different from manufacturer) | Professional Biological Company              |
| Date of Compilation Summary   | December 28, 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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|--|---|
| <b>Study Type</b>                        | Efficacy  |
| <b>Pertaining to</b>                     | Bovine Parainfluenza 3 Virus  |
| <b>Study Purpose</b>                     | To demonstrate efficacy against disease caused by Bovine Parainfluenza 3 virus.   |
| <b>Product Administration</b>            |   |
| <b>Study Animals</b>                     | Cattle  |
| <b>Challenge Description</b>             |   |
| <b>Interval observed after challenge</b> |   |
| <b>Results</b>                           | 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>                | May 15, 1970  |

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|--|---|
| <b>Study Type</b>                        | Safety  |
| <b>Pertaining to</b>                     | All fractions   |
| <b>Study Purpose</b>                     | To demonstrate safety of product under typical field conditions   |
| <b>Product Administration</b>            |   |
| <b>Study Animals</b>                     | Cattle  |
| <b>Challenge Description</b>             |   |
| <b>Interval observed after challenge</b> |   |
| <b>Results</b>                           | 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. |
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