



Summary of Studies Supporting USDA Product Licensure

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| Establishment Name | Colorado Serum Company |
| USDA Vet Biologics Establishment Number | 188 |
| Product Code | 1121.00 |
| True Name | Bovine Rhinotracheitis-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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| Study Type | Efficacy |
| Pertaining to | Infectious Bovine Rhinotracheitis Virus, and Bovine Parainfluenza ₃ Virus |
| Study Purpose | To demonstrate efficacy of diseases caused by Infectious Bovine Rhinotracheitis Virus and Bovine Parainfluenza ₃ Virus. |
| Product Administration | |
| Study Animals | Cattle |
| 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 time. |
| USDA Approval Date | January 21, 1970 |

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| Study Type | Safety |
| Pertaining to | All Fractions |
| Study Purpose | To demonstrate safety of product under typical field conditions |
| Product Administration | |
| Study Animals | Cattle |
| 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 time. |
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