# Summary of Studies Supporting USDA Product Licensure

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| Establishment Name | Intervet Inc. |
| USDA Vet Biologics Establishment Number | 165A |
| Product Code | 46J7.20 |
| True Name | Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus Vaccine, Modified Live & Killed Virus, Leptospira Canicola-Icterohaemorrhagiae Bacterin |
| Tradename(s) / Distributor or Subsidiary (if different from manufacturer) | Intervet Argentina S.A.<br>Nobivac Canine 1 DAPPv + L2 - Merck Sharp & Dohme Saude Animal Ltda.<br>Nobivac Canine 1 DAPPvL2 +Cv - No distributor specified<br>Nobivac Canine 1-DAPPvL2 +Cv - Merck Animal Health<br>Nobivac DAPPvL2 + CV - Intervet Veterinaria Chile Ltda<br>Procyon Dog DA2PPvL +Cv - MSD Salud Animal Columbia S.A.S.<br>Quantum Dog DA2PPvL+Cv - Intervet Argentina S.A.<br>Quantum Dog DA2PPvL+Cv - No distributor specified |
| Date of Compilation Summary | March 14, 2019 |

**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** | Canine Adenovirus Type-2 (CAV-2) |
| **Study Purpose** | To demonstrate efficacy against Canine Adenovirus Type 1 (hepatitis) and Canine Adenovirus Type 2 (respiratory disease). |
| **Product Administration** | |
| **Study Animals** | Canine |
| **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** | May 24, 1999 |

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| **Study Type** | Safety |
| **Pertaining to** | Canine Adenovirus Type-2 (CAV-2) |
| **Study Purpose** | To demonstrate the development of corneal opacity is not associated with the use of this product. |
| **Product Administration** | |
| **Study Animals** | |
| **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** | 1980 |

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|---|---|
| **Study Type** | Efficacy |
| **Pertaining to** | Canine Coronavirus (CCV) |
| **Study Purpose** | To demonstrate efficacy against CCV |
| **Product Administration** | |
| **Study Animals** | Canine |
| **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** | December 17, 1993 |

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|---|---|
| **Study Type** | Efficacy |
| **Pertaining to** | *Leptospira interrogans* serovar canicola |
| **Study Purpose** | To demonstrate efficacy against *L. canicola* |
| **Product Administration** | |
| **Study Animals** | |
| **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** | May 24, 1999 |

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|---|---|
| **Study Type** | Efficacy |
| **Pertaining to** | *Leptospira interrogans* serovar *icterohaemorrhagiae* |
| **Study Purpose** | To demonstrate efficacy against *L. icterohaemorrhagiae* |
| **Product Administration** | |
| **Study Animals** | |
| **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** | May 24, 1999 |

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|---|---|
| **Study Type** | Efficacy |
| **Pertaining to** | Canine Parainfluenza (CPI) |
| **Study Purpose** | To demonstrate efficacy against CPI |
| **Product Administration** | |
| **Study Animals** | Canine |
| **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** | July 9, 1999 |

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|---|---|
| **Study Type** | Efficacy |
| **Pertaining to** | Canine Distemper Virus (CDV) |
| **Study Purpose** | To demonstrate efficacy against CDV. |
| **Product Administration** | |
| **Study Animals** | Canine |
| **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** | July 8, 1999 |

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|---|---|
| **Study Type** | Efficacy |
| **Pertaining to** | Canine Parvovirus (CPV) |
| **Study Purpose** | To demonstrate efficacy against CPV |
| **Product Administration** | |
| **Study Animals** | Canine |
| **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** | May 21, 1999 |

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|---|---|
| **Study Type** | Safety |
| **Pertaining to** | ALL |
| **Study Purpose** | To demonstrate safety under field conditions. |
| **Product Administration** | |
| **Study Animals** | Canine |
| **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** | February 16, 1994 |