

**United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Veterinary Services  
Center for Veterinary Biologics  
Ames, IA 50010-8197**

**Veterinary Biologics Notice Number: 90**

**Veterinary Biological Products in Licensed Establishments**

**Produced and Destroyed January 01, 2022 through December 31, 2022**

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**NOTICE: When three or more Licensed or Permitted Establishments have been issued a product license or permit for the same Product Code, the Doses Produced and Doses Destroyed are listed for that individual Product Code.  
If less than three Licensed or Permitted Establishments have been issued a product license or permit for a Product Code, the Doses Produced and Doses Destroyed will be consolidated into the Total for the Product Category.**

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| <b>Anthrax Spore Vaccine, Nonencapsulated Live Culture</b>   | 101100 |                |                 |
| <b>Autogenous Vaccine, Killed Virus</b>  | 101500 |                |                 |
| <b>Autogenous Vaccine, Killed Virus</b>  | 101510 | 113,167,450    | 0               |
| <b>Autogenous Vaccine, Killed Virus</b>  | 101520 | 26,174,050     | 0               |
| <b>Autogenous Vaccine, Killed Virus</b>  | 101521 | 9,146,800      | 0               |
| <b>Avian Encephalomyelitis Vaccine, Live Virus</b>   | 105111 | 269,590,000    | 0               |
| <b>Avian Encephalomyelitis-Fowl Pox Vaccine, Live Virus</b>  | 10M110 | 319,658,000    | 102,578,000     |
| <b>Avian Encephalomyelitis-Fowl Pox Vaccine, Live Virus</b>  | 10M114 |                |                 |
| <b>Avian Encephalomyelitis-Fowl Pox Vaccine, Live Virus</b>  | 10M140 |                |                 |
| <b>Avian Encephalomyelitis-Fowl Pox-Laryngotracheitis Vaccine, Live Virus, Live Fowl Pox Vector</b>        | 10S1R0 |                |                 |
| <b>Avian Encephalomyelitis-Fowl Pox-Mycoplasma Gallisepticum Vaccine, Live Virus, Live Fowl Pox Vector</b> | 1D61R0 |                |                 |
| <b>Avian Encephalomyelitis-Fowl Pox-Pigeon Pox Vaccine, Live Virus</b>                                     | 10M210 |                |                 |
| <b>Avian Influenza Vaccine, H5N1 Subtype, Killed Virus</b>   | 1057R1 |                |                 |
| <b>Avian Influenza Vaccine, H5N3 Subtype, Killed Virus</b>   | 1057R3 |                |                 |
| <b>Avian Influenza-Fowl Pox Vaccine, H5 Subtype, Live Fowl Pox Vector</b>                                  | 1061R0 |                |                 |
| <b>Avian Influenza-Marek's Disease Vaccine, H5 Subtype, Serotype 3, Live Marek's Disease Vector</b>        | 1062R0 |                |                 |
| <b>Avian Paramyxovirus Vaccine, Type 1, Killed Virus</b>   | 10C511 |                |                 |
| <b>Avian Polyomavirus Vaccine, Killed Virus</b>  | 1A1500 |                |                 |
| <b>Avian Reovirus Vaccine, Killed Virus</b>  | 104500 |                |                 |
| <b>Avian Reovirus Vaccine, Killed Virus</b>  | 104502 |                |                 |
| <b>Avian Reovirus Vaccine, Killed Virus</b>  | 104521 |                |                 |
| <b>Avian Reovirus Vaccine, Killed Virus</b>  | 104530 |                |                 |
| <b>Bordetella Avium Vaccine, Avirulent Live Culture</b>  | 102101 |                |                 |
| <b>Bordetella Bronchiseptica Vaccine, Avirulent Live Culture</b>   | 108100 | 322,410        | 196,400         |
| <b>Bordetella Bronchiseptica Vaccine, Avirulent Live Culture</b>   | 108101 |                |                 |
| <b>Bordetella Bronchiseptica Vaccine, Avirulent Live Culture</b>   | 108102 | 8,192,991      | 0               |
| <b>Bordetella Bronchiseptica Vaccine, Avirulent Live Culture</b>   | 108104 |                |                 |
| <b>Bordetella Bronchiseptica Vaccine, Avirulent Live Culture</b>   | 108105 |                |                 |
| <b>Bovine Coronavirus Vaccine, Modified Live Virus</b>   | 19N120 |                |                 |
| <b>Bovine Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>                     | 116120 |                |                 |
| <b>Bovine Rhinotracheitis Vaccine, Modified Live Virus</b>   | 110120 |                |                 |
| <b>Bovine Rhinotracheitis Vaccine, Modified Live Virus</b>   | 110121 | 7,033,600      | 0               |
| <b>Bovine Rhinotracheitis-Parainfluenza 3 Vaccine, Modified Live Virus</b>                                 | 112121 |                |                 |
| <b>Bovine Rhinotracheitis-Parainfluenza 3 Vaccine, Modified Live Virus</b>                                 | 112122 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| <b>Bovine Rhinotracheitis-Parainfluenza 3 Vaccine, Modified Live Virus</b>   | 112131 |                |                 |
| <b>Bovine Rhinotracheitis-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>   | 107120 | 8,931,898      | 225,800         |
| <b>Bovine Rhinotracheitis-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>   | 107121 |                |                 |
| <b>Bovine Rhinotracheitis-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>   | 107122 |                |                 |
| <b>Bovine Rhinotracheitis-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>   | 107123 |                |                 |
| <b>Bovine Rhinotracheitis-Parainfluenza 3-Respiratory Syncytial Virus-Mannheimia Haemolytica-Pasteurella Multocida Vaccine, Modified Live Virus, Avirulent Live Culture</b>                | 11C820 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea Vaccine, Modified Live Virus</b>  | 115120 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea Vaccine, Modified Live Virus</b>  | 115122 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea Vaccine, Modified Live Virus</b>  | 115123 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea Vaccine, Modified Live Virus</b>  | 115126 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3 Vaccine, Modified Live Virus</b>  | 117120 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3 Vaccine, Modified Live Virus</b>  | 117127 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus</b>   | 118520 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus</b>   | 118523 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118120 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118121 | 1,943,090      | 311,960         |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118122 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118123 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118124 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118125 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118126 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus</b>  | 118128 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus-Mannheimia Haemolytica-Pasteurella Multocida Vaccine, Modified Live Virus, Avirulent Live Culture</b> | 11A822 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product   | Code   | Doses Produced | Doses Destroyed |
|---|--------|----------------|-----------------|
| <b>Bovine Rotavirus-Coronavirus Vaccine, Killed Virus</b>   | 193520 |                |                 |
| <b>Bovine Rotavirus-Coronavirus Vaccine, Modified Live Virus</b>  | 193120 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Killed Virus</b>  | 120521 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Killed Virus</b>  | 120522 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Killed Virus</b>  | 120525 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Modified Live Virus</b>   | 120120 | 762,940        | 0               |
| <b>Bovine Virus Diarrhea Vaccine, Modified Live Virus</b>   | 120122 |                |                 |
| <b>Bronchitis Vaccine, Ark Type, Live Virus</b>   | 12311M |                |                 |
| <b>Bronchitis Vaccine, Ark Type, Live Virus</b>   | 123120 |                |                 |
| <b>Bronchitis Vaccine, Ark Type, Live Virus</b>   | 123121 |                |                 |
| <b>Bronchitis Vaccine, Conn Type, Live Virus</b>  | 123115 |                |                 |
| <b>Bronchitis Vaccine, Georgia Type, Live Virus</b>   | 12311J |                |                 |
| <b>Bronchitis Vaccine, Georgia Type, Live Virus</b>   | 12311L | 1,736,900,000  | 237,230,000     |
| <b>Bronchitis Vaccine, Mass &amp; Ark Types, Live Virus</b>   | 123113 |                |                 |
| <b>Bronchitis Vaccine, Mass &amp; Conn Types, Live Virus</b>  | 123114 | 591,452,000    | 0               |
| <b>Bronchitis Vaccine, Mass &amp; Conn Types, Live Virus</b>  | 12311G |                |                 |
| <b>Bronchitis Vaccine, Mass Type, Live Virus</b>  | 123111 |                |                 |
| <b>Bronchitis Vaccine, Mass Type, Live Virus</b>  | 123112 |                |                 |
| <b>Bronchitis Vaccine, Mass Type, Live Virus</b>  | 12311A |                |                 |
| <b>Bronchitis Vaccine, Mass Type, Live Virus</b>  | 123210 |                |                 |
| <b>Bronchitis Vaccine, Mass Type, Live Virus</b>  | 123310 |                |                 |
| <b>Brucella Abortus Vaccine, Strain RB-51, Live Culture</b>   | 126100 |                |                 |
| <b>Bursal Disease Vaccine, Killed Virus</b>   | 127500 |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 127100 |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 127102 |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 12710A |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 127110 |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 127112 |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 127117 |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 127119 |                |                 |
| <b>Bursal Disease Vaccine, Live Virus</b>   | 127141 |                |                 |
| <b>Bursal Disease Vaccine, Standard &amp; Variant, Live Virus</b>   | 12B100 |                |                 |
| <b>Bursal Disease Vaccine, Standard &amp; Variant, Live Virus</b>   | 12B101 |                |                 |
| <b>Bursal Disease Vaccine, Variant, Live Virus</b>  | 12L100 |                |                 |
| <b>Bursal Disease-Infectious Laryngotracheitis-Marek's Disease Vaccine, Serotype 3, Live Marek's Disease Vector</b> | 1J81R0 |                |                 |
| <b>Bursal Disease-Marek's Disease Vaccine, Serotype 3, Live Marek's Disease Vector</b>                              | 1A88R0 |                |                 |
| <b>Bursal Disease-Marek's Disease Vaccine, Serotype 3, Live Marek's Disease Vector</b>                              | 1A88R3 |                |                 |
| <b>Bursal Disease-Marek's Disease Vaccine, Serotype 3, Live Virus</b>   | 128842 |                |                 |
| <b>Bursal Disease-Marek's Disease Vaccine, Serotype 3, Live Virus</b>   | 12884A |                |                 |
| <b>Bursal Disease-Marek's Disease-Newcastle Disease Vaccine, Serotype 3, Live Marek's Disease Vector</b>            | 1A89R0 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Bursal Disease-Marek's Disease-Newcastle Disease Vaccine, Serotype 3, Live Marek's Disease Vector                      | 1A89R1 |                |                 |
| Bursal Disease-Marek's Disease-Newcastle Disease Vaccine, Serotypes 1 & 3, Live Virus, Live Marek's Disease Vector     | 1A91R1 |                |                 |
| Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Killed Virus   | 12M540 |                |                 |
| Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Mass Type, Killed Virus                                  | 12M591 |                |                 |
| Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Standard & Variant, Mass & Ark Types, Killed Virus       | 12M541 |                |                 |
| Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Standard & Variant, Mass & Ark Types, Killed Virus       | 12M542 |                |                 |
| Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Standard & Variant, Mass Type, Killed Virus              | 12M501 | 63,362,000     | 9,219,000       |
| Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Standard & Variant, Mass Type, Killed Virus              | 12M544 |                |                 |
| Bursal Disease-Newcastle Disease-Bronchitis-Reovirus Vaccine, Standard & Variant, Mass Type, Killed Virus              | 12M5E0 |                |                 |
| Bursal Disease-Reovirus Vaccine, Standard & Variant, Killed Virus  | 12D501 |                |                 |
| Bursal Disease-Reovirus Vaccine, Standard & Variant, Killed Virus  | 12D504 |                |                 |
| Bursal Disease-Reovirus Vaccine, Standard & Variant, Killed Virus  | 12D530 |                |                 |
| Bursal Disease-Reovirus Vaccine, Standard & Variant, Killed Virus  | 12D5T0 |                |                 |
| Canine Adenovirus Type 2-Parainfluenza-Bordetella Bronchiseptica Vaccine, Modified Live Virus & Avirulent Live Culture | 12X120 | 8,140,993      | 0               |
| Canine Adenovirus Type 2-Parainfluenza-Bordetella Bronchiseptica Vaccine, Modified Live Virus & Avirulent Live Culture | 12X121 |                |                 |
| Canine Coronavirus Vaccine, Killed Virus   | 14P520 | 38,179,324     | 0               |
| Canine Coronavirus Vaccine, Killed Virus   | 14P521 |                |                 |
| Canine Coronavirus Vaccine, Killed Virus   | 14P522 |                |                 |
| Canine Coronavirus-Parvovirus Vaccine, Modified Live & Killed Virus  | 14R721 |                |                 |
| Canine Coronavirus-Parvovirus Vaccine, Modified Live & Killed Virus  | 14R729 |                |                 |
| Canine Distemper Vaccine, Modified Live Virus  | 130120 |                |                 |
| Canine Distemper-Adenovirus Type 2 Vaccine, Modified Live Virus  | 13A120 | 961,581        | 0               |
| Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector | 1591R1 |                |                 |
| Canine Distemper-Adenovirus Type 2-Measles-Parainfluenza Vaccine, Modified Live Virus                                  | 134120 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parainfluenza Vaccine, Modified Live Virus  | 13C120 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector | 13D1R1 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus                   | 13D120 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus                   | 13D121 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus                   | 13D122 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus                   | 13D123 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus                   | 13D124 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus                   | 13D129 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector               | 1331R1 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parvovirus Vaccine, Modified Live Virus                                 | 133120 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parvovirus Vaccine, Modified Live Virus                                 | 133122 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parvovirus Vaccine, Modified Live Virus                                 | 133123 |                |                 |
| Canine Distemper-Measles Vaccine, Modified Live Virus  | 135120 |                |                 |
| Canine Distemper-Parvovirus Vaccine, Modified Live Virus   | 13P120 |                |                 |
| Canine Influenza Vaccine, H3N2 & H3N8, Killed Virus  | 15Q520 |                |                 |
| Canine Influenza Vaccine, H3N2, Killed Virus   | 15P520 |                |                 |
| Canine Parainfluenza-Bordetella Bronchiseptica Vaccine, Modified Live Virus, Avirulent Live Culture        | 14M120 |                |                 |
| Canine Parainfluenza-Bordetella Bronchiseptica Vaccine, Modified Live Virus, Avirulent Live Culture        | 14M122 |                |                 |
| Canine Parainfluenza-Bordetella Bronchiseptica Vaccine, Modified Live Virus, Avirulent Live Culture        | 14M123 |                |                 |
| Chicken Anemia Virus Vaccine, Live Virus   | 10A100 |                |                 |
| Chicken Anemia Virus Vaccine, Modified Live Virus  | 10A110 |                |                 |
| Chlamydia Psittaci Vaccine, Killed Chlamydia   | 158520 |                |                 |
| Classical Swine Fever Virus Vaccine, Modified Live Virus   | 188520 |                |                 |
| Clostridium Perfringens Type A Vaccine, Live Salmonella Vector   | 1U11R1 |                |                 |
| Coccidiosis Vaccine, Live Oocysts, Chicken Isolates  | 143155 |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 143150 |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 143151 |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 143156 |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 143158 |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 14315A |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 14315B |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 14315C |                |                 |
| Coccidiosis Vaccine, Live Oocysts  | 14315E |                |                 |
| Distemper Vaccine, Live Canarypox Vector   | 1471R0 |                |                 |
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western, Killed Virus                                 | 14W522 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product   | Code   | Doses Produced | Doses Destroyed |
|---|--------|----------------|-----------------|
| Epizootic Bovine Abortion Agent Vaccine, Live Culture   | 154400 |                |                 |
| Equine Arteritis Vaccine, Modified Live Virus   | 153120 |                |                 |
| Equine Influenza Vaccine, Killed Virus  | 150525 |                |                 |
| Equine Influenza Vaccine, Modified Live Virus   | 150120 |                |                 |
| Equine Rhinopneumonitis Vaccine, Killed Virus   | 152521 | 348,545        | 0               |
| Equine Rhinopneumonitis Vaccine, Killed Virus   | 152522 |                |                 |
| Equine Rhinopneumonitis Vaccine, Killed Virus   | 152524 |                |                 |
| Equine Rhinopneumonitis Vaccine, Modified Live Virus  | 152122 |                |                 |
| Equine Rhinopneumonitis-Influenza Vaccine, Killed Virus   | 151522 |                |                 |
| Equine Rhinopneumonitis-Influenza Vaccine, Killed Virus   | 151524 |                |                 |
| Equine Rhinopneumonitis-Influenza Vaccine, Killed Virus   | 151527 |                |                 |
| Equine Rhinopneumonitis-Influenza Vaccine, Killed Virus   | 15152A |                |                 |
| Equine Rotavirus Vaccine, Killed Virus  | 1E1520 |                |                 |
| Erysipelothrix Rhusiopathiae Vaccine, Avirulent Live Culture  | 154100 |                |                 |
| Erysipelothrix Rhusiopathiae Vaccine, Avirulent Live Culture  | 154101 | 21,967,250     | 0               |
| Erysipelothrix Rhusiopathiae Vaccine, Avirulent Live Culture  | 154103 |                |                 |
| Escherichia Coli Vaccine, Avirulent Live Culture  | 155102 |                |                 |
| Escherichia Coli Vaccine, Avirulent Live Culture  | 15R100 |                |                 |
| Escherichia Coli Vaccine, Live Culture  | 1551R0 |                |                 |
| Feline Calicivirus Vaccine, Killed Virus  | 15C522 |                |                 |
| Feline Immunodeficiency Virus Vaccine, Killed Virus   | 15A521 |                |                 |
| Feline Immunodeficiency Virus Vaccine, Killed Virus   | 15A523 |                |                 |
| Feline Infectious Peritonitis Vaccine, Modified Live Virus  | 15A120 |                |                 |
| Feline Leukemia Vaccine, Killed Virus   | 155520 |                |                 |
| Feline Leukemia Vaccine, Killed Virus   | 155521 |                |                 |
| Feline Leukemia Vaccine, Killed Virus   | 155522 |                |                 |
| Feline Leukemia Vaccine, Killed Virus   | 1555R1 |                |                 |
| Feline Leukemia Vaccine, Killed Virus   | 1555R5 |                |                 |
| Feline Leukemia Vaccine, Live Canarypox Vector  | 1555R4 |                |                 |
| Feline Leukemia-Chlamydia Psittaci Vaccine, Killed Virus, Killed Chlamydia                                      | 1A6920 |                |                 |
| Feline Leukemia-Rhinotracheitis-Calici-Panleukopenia Vaccine, Killed Virus                                      | 15B521 |                |                 |
| Feline Leukemia-Rhinotracheitis-Calici-Panleukopenia Vaccine, Killed Virus                                      | 15B522 |                |                 |
| Feline Leukemia-Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci Vaccine, Killed Virus, Killed Chlamydia | 155923 |                |                 |
| Feline Panleukopenia Vaccine, Modified Live Virus   | 156123 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Killed Virus   | 16D520 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Killed Virus   | 16D522 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Killed Virus  | 16D523 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Modified Live & Killed Virus  | 16D720 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Modified Live Virus   | 16D120 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Modified Live Virus   | 16D121 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Modified Live Virus   | 16D122 | 1,709,493      | 0               |
| Feline Rhinotracheitis-Calici-Panleukopenia Vaccine, Modified Live Virus   | 16D821 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci Vaccine, Killed Virus, Killed Chlamydia                             | 16E523 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci Vaccine, Modified Live Virus, Modified Live Chlamydia               | 16E120 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci Vaccine, Modified Live Virus, Modified Live Chlamydia               | 16E820 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci-Rabies Vaccine, Modified Live Virus and Chlamydia, Canarypox Vector | 1619R1 |                |                 |
| Feline Rhinotracheitis-Calici-Panleukopenia-Rabies Vaccine, Modified Live Virus, Canarypox Vector                                  | 16T9R0 |                |                 |
| Feline Rhinotracheitis-Calicivirus Vaccine, Modified Live Virus  | 16C120 |                |                 |
| Feline Rhinotracheitis-Calicivirus Vaccine, Modified Live Virus  | 16C122 |                |                 |
| Fowl Laryngotracheitis Vaccine, Modified Live Virus  | 160101 |                |                 |
| Fowl Laryngotracheitis Vaccine, Modified Live Virus  | 160111 | 968,543,000    | 131,380,000     |
| Fowl Laryngotracheitis-Marek's Disease Vaccine, Serotype 3, Live Marek's Disease Vector  | 16J1R1 |                |                 |
| Fowl Laryngotracheitis-Marek's Disease Vaccine, Serotypes 2 & 3, Modified Live & Live Marek's Disease Vector                       | 16J1R2 |                |                 |
| Fowl Pox Vaccine, Live Virus   | 162110 |                |                 |
| Fowl Pox Vaccine, Live Virus   | 162111 |                |                 |
| Fowl Pox Vaccine, Live Virus   | 162114 |                |                 |
| Fowl Pox Vaccine, Live Virus   | 162200 |                |                 |
| Fowl Pox-Laryngotracheitis Vaccine, Live Fowl Pox Vector   | 1F31R0 |                |                 |
| Fowl Pox-Laryngotracheitis Vaccine, Live Fowl Pox Vector   | 1F31R1 |                |                 |
| Fowl Pox-Mycoplasma Gallisepticum Vaccine, Live Fowl Pox Vector  | 1D51R0 |                |                 |
| Glaesserella Parasuis Vaccine, Avirulent Live Culture  | 19J100 |                |                 |
| Hemorrhagic Enteritis Vaccine, Live Virus  | 17E120 | 350,473,000    | 0               |
| Infectious Laryngotracheitis-Marek's Disease-Newcastle Disease Vaccine, Serotype 3, Live Marek's Disease Vector                    | 1C91R0 |                |                 |
| Lawsonia Intracellularis Vaccine, Avirulent Live Culture   | 10L100 |                |                 |
| Lawsonia Intracellularis Vaccine, Avirulent Live Culture   | 10L101 |                |                 |



## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product   | Code   | Doses Produced | Doses Destroyed |
|---|--------|----------------|-----------------|
| Lawsonia Intracellularis Vaccine, Avirulent Live Culture  | 10L120 |                |                 |
| Mannheimia Haemolytica-Pasteurella Multocida Vaccine, Avirulent Live Culture                        | 186101 |                |                 |
| Mannheimia Haemolytica-Pasteurella Multocida Vaccine, Avirulent Live Culture                        | 186102 |                |                 |
| Marek's Disease Vaccine, Serotype 1, Live Herpesvirus Chimera                                       | 16L1R0 |                |                 |
| Marek's Disease Vaccine, Serotype 1, Live Virus   | 16L100 | 1,631,245,000  | 42,010,000      |
| Marek's Disease Vaccine, Serotype 1, Live Virus   | 16L104 |                |                 |
| Marek's Disease Vaccine, Serotype 1, Live Virus   | 16L109 |                |                 |
| Marek's Disease Vaccine, Serotype 2, Live Virus   | 163100 |                |                 |
| Marek's Disease Vaccine, Serotype 2, Live Virus   | 163102 |                |                 |
| Marek's Disease Vaccine, Serotype 3, Live Virus   | 164100 |                |                 |
| Marek's Disease Vaccine, Serotype 3, Live Virus   | 164101 |                |                 |
| Marek's Disease Vaccine, Serotype 3, Live Virus   | 164102 |                |                 |
| Marek's Disease Vaccine, Serotype 3, Live Virus   | 16L106 |                |                 |
| Marek's Disease Vaccine, Serotypes 1 & 3, Live Virus  | 16G102 |                |                 |
| Marek's Disease Vaccine, Serotypes 1 & 3, Live Virus  | 16L102 | 250,869,000    | 8,810,000       |
| Marek's Disease Vaccine, Serotypes 2 & 3, Live Virus  | 165101 |                |                 |
| Marek's Disease Vaccine, Serotypes 2 & 3, Live Virus  | 16G100 |                |                 |
| Marek's Disease-Newcastle Disease Vaccine, Serotype 3, Live Marek's Disease Vector                  | 16N1R0 | 9,261,116,000  | 415,590,900     |
| Marek's Disease-Newcastle Disease Vaccine, Serotypes 1 & 3, Live Virus, Live Marek's Disease Vector | 16N1R1 |                |                 |
| Marek's Disease-Newcastle Disease Vaccine, Serotypes 2 & 3, Live Virus, Live Marek's Disease Vector | 17H1R2 | 188,860,000    | 23,996,000      |
| Mink Coronavirus Vaccine, Subunit   | 19X5R1 |                |                 |
| Mink Distemper Vaccine, Modified Live Virus   | 145100 |                |                 |
| Mycoplasma Bovis Vaccine, Avirulent Live Culture  | 175000 |                |                 |
| Mycoplasma Gallisepticum Vaccine, Live Culture  | 175100 | 306,796,000    | 2,540,000       |
| Mycoplasma Gallisepticum Vaccine, Live Culture  | 175101 |                |                 |
| Newcastle Disease Vaccine, B1 Type, B1 Strain, Live Virus   | 171110 |                |                 |
| Newcastle Disease Vaccine, B1 Type, B1 Strain, Live Virus   | 171112 |                |                 |
| Newcastle Disease Vaccine, B1 Type, C2 Strain, Live Virus   | 17B110 |                |                 |
| Newcastle Disease Vaccine, B1 Type, LaSota Strain, Live Virus                                       | 172110 | 3,466,395,000  | 0               |
| Newcastle Disease Vaccine, B1 Type, LaSota Strain, Live Virus                                       | 172111 |                |                 |
| Newcastle Disease Vaccine, B1 Type, LaSota Strain, Live Virus                                       | 172116 |                |                 |
| Newcastle Disease Vaccine, B1 Type, LaSota Strain, Live Virus                                       | 172117 |                |                 |
| Newcastle Disease Vaccine, Killed Virus   | 170510 |                |                 |
| Newcastle Disease Vaccine, Killed Virus   | 170515 |                |                 |
| Newcastle Disease Vaccine, VG/GA Strain, Live Virus   | 17A2V2 |                |                 |
| Newcastle Disease-Fowl Pox Vaccine, Live Fowl Pox Vector  | 17C1R0 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product   | Code   | Doses Produced | Doses Destroyed |
|---|--------|----------------|-----------------|
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass & Ark Types, Live Virus      | 17A11L |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass & Ark Types, Live Virus      | 17A11M |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass & Ark Types, Live Virus      | 17A21M |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass & Conn Types, Live Virus     | 176114 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass & Conn Types, Live Virus     | 176117 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass & Conn Types, Live Virus     | 17621H |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass & Conn Types, Live Virus     | 179114 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass Type, Live Virus             | 176111 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass Type, Live Virus             | 176118 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, B1 Strain, Mass Type, Live Virus             | 176211 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, C2 Strain, Mass & Conn Types, Live Virus     | 1XC110 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, C2 Strain, Mass Type, Live Virus             | 1XB110 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, LaSota Strain, Mass & Conn Types, Live Virus | 17B117 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, LaSota Strain, Mass Type, Live Virus         | 177111 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, LaSota Strain, Mass Type, Live Virus         | 177112 |                |                 |
| Newcastle-Bronchitis Vaccine, B1 Type, LaSota Strain, Mass Type, Live Virus         | 177118 |                |                 |
| Newcastle-Bronchitis Vaccine, Mass Type, Killed Virus                               | 177610 |                |                 |
| Newcastle-Bronchitis Vaccine, VG/GA Strain, Mass & Conn Types, Live Virus           | 17V110 |                |                 |
| Newcastle-Paramyxovirus Vaccine, Type 3, Killed Virus                               | 17P510 |                |                 |
| Ovine Ecthyma Vaccine, Live Virus   | 182100 |                |                 |
| Ovine Ecthyma Vaccine, Live Virus   | 182151 |                |                 |
| Parvovirus Vaccine, Killed Baculovirus Vector                                       | 18P5R0 |                |                 |
| Parvovirus Vaccine, Modified Live Virus   | 18M120 |                |                 |
| Parvovirus Vaccine, Modified Live Virus   | 18M123 |                |                 |
| Parvovirus Vaccine, Modified Live Virus   | 18M125 |                |                 |
| Parvovirus Vaccine, Modified Live Virus   | 18M126 |                |                 |
| Parvovirus Vaccine, Modified Live Virus   | 18M129 |                |                 |
| Pasteurella Multocida Vaccine, Avirulent Live Culture, Avian Isolate                | 187103 |                |                 |
| Pasteurella Multocida Vaccine, Avirulent Live Culture, Avian Isolate                | 187104 |                |                 |
| Pigeon Pox Vaccine, Live Virus  | 188110 |                |                 |
| Porcine Circovirus Vaccine, Type 1 - Type 2 Chimera, Killed Virus                   | 19K5R1 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Porcine Circovirus Vaccine, Type 1 - Type 2 Chimera, Killed Virus  | 19K5R3 |                |                 |
| Porcine Circovirus Vaccine, Type 1 - Type 2 Chimera, Killed Virus  | 19K5R5 |                |                 |
| Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector  | 19K5R0 | 313,129,780    | 0               |
| Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector  | 19K5R4 |                |                 |
| Porcine Epidemic Diarrhea Vaccine, Killed Virus  | 19U520 |                |                 |
| Porcine Epidemic Diarrhea Vaccine, RNA Particle Platform   | 19U5P1 |                |                 |
| Porcine Reproductive & Respiratory Syndrome Vaccine, Reproductive & Respiratory Forms, Modified Live Virus | 19T120 | 108,868,620    | 2,049,200       |
| Porcine Reproductive & Respiratory Syndrome Vaccine, Reproductive & Respiratory Forms, Modified Live Virus | 19T121 |                |                 |
| Porcine Reproductive & Respiratory Syndrome Vaccine, Reproductive Form, Modified Live Virus                | 19Q120 |                |                 |
| Porcine Reproductive & Respiratory Syndrome Vaccine, Respiratory Form, Modified Live Virus                 | 19S120 |                |                 |
| Porcine Reproductive & Respiratory Syndrome Vaccine, Respiratory Form, Modified Live Virus                 | 19S121 |                |                 |
| Porcine Reproductive & Respiratory Syndrome Vaccine, Respiratory Form, Modified Live Virus                 | 19S123 |                |                 |
| Porcine Reproductive & Respiratory Syndrome Vaccine, Respiratory Form, Modified Live Virus                 | 19S1R0 |                |                 |
| Porcine Rotavirus Vaccine, Modified Live Virus   | 19E120 |                |                 |
| Porcine Rotavirus Vaccine, Modified Live Virus   | 19E121 |                |                 |
| Pseudorabies Vaccine, Modified Live Virus  | 189120 |                |                 |
| Pseudorabies Vaccine, Modified Live Virus  | 189122 |                |                 |
| Pseudorabies Vaccine, Modified Live Virus  | 189123 |                |                 |
| Rabies Vaccine, Live Vaccinia Vector   | 1901R0 |                |                 |
| Rabies Vaccine, Killed Virus   | 190520 |                |                 |
| Rabies Vaccine, Killed Virus   | 190521 |                |                 |
| Rabies Vaccine, Killed Virus   | 190522 |                |                 |
| Rabies Vaccine, Killed Virus   | 190523 |                |                 |
| Rabies Vaccine, Killed Virus   | 190524 |                |                 |
| Rabies Vaccine, Killed Virus   | 190525 |                |                 |
| Rabies Vaccine, Killed Virus   | 190526 |                |                 |
| Rabies Vaccine, Killed Virus   | 190527 |                |                 |
| Rabies Vaccine, Live Canarypox Vector  | 1901R1 |                |                 |
| Rabies Vaccine, Live Canarypox Vector  | 1901R4 |                |                 |
| Rabies Vaccine, RNA Particle   | 1905D1 |                |                 |
| Riemerella Anatipestifer Vaccine, Avirulent Live Culture   | 181100 |                |                 |
| Salmonella Choleraesuis Vaccine, Avirulent Live Culture  | 19A100 | 29,405,400     | 1,253,250       |
| Salmonella Choleraesuis Vaccine, Avirulent Live Culture  | 19A101 |                |                 |
| Salmonella Choleraesuis-Typhimurium Vaccine, Avirulent Live Culture  | 19A200 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines

| Product   | Code   | Doses Produced         | Doses Destroyed      |
|---|--------|------------------------|----------------------|
| Salmonella Choleraesuis-Typhimurium Vaccine, Avirulent Live Culture | 19A201 |                        |                      |
| Salmonella Dublin Vaccine, Live Culture                             | 19D1R0 |                        |                      |
| Salmonella Typhimurium Vaccine, Live Culture                        | 19C100 |                        |                      |
| Salmonella Typhimurium Vaccine, Live Culture                        | 19C101 |                        |                      |
| Salmonella Typhimurium Vaccine, Live Culture                        | 19C102 |                        |                      |
| Streptococcus Equi Vaccine, Live Culture                            | 183100 |                        |                      |
| Swine Influenza Vaccine, H1N1 & H1N2 & H3N2, Killed Virus           | 19A52B |                        |                      |
| Swine Influenza Vaccine, H1N1 & H1N2 & H3N2, Killed Virus           | 19A52C |                        |                      |
| Swine Influenza Vaccine, H1N1 & H3N2, Killed Virus                  | 19A522 |                        |                      |
| Swine Influenza Vaccine, H1N1 & H3N2, Modified Live Virus           | 19A5R2 |                        |                      |
| Swine Influenza Vaccine, H3, Killed Baculovirus Vector              | 19A5R9 |                        |                      |
| Swine Influenza Vaccine, N1 & N2, RNA Particle                      | 19A5R8 |                        |                      |
| Swine Influenza Vaccine, pH1N1, Killed Virus                        | 19A52P |                        |                      |
| Tenosynovitis Vaccine, Live Virus                                   | 195110 |                        |                      |
| Tenosynovitis Vaccine, Modified Live Virus                          | 195101 |                        |                      |
| Tenosynovitis Vaccine, Modified Live Virus                          | 195102 |                        |                      |
| Tenosynovitis Vaccine, Modified Live Virus                          | 195103 |                        |                      |
| Tenosynovitis Vaccine, Modified Live Virus                          | 195111 |                        |                      |
| Tenosynovitis Vaccine, Modified Live Virus                          | 195201 |                        |                      |
| Trichomonas Foetus Vaccine, Killed Protozoa                         | 185900 |                        |                      |
| Wart Vaccine, Killed Virus  | 198550 |                        |                      |
| West Nile Virus Vaccine, Killed Flavivirus Chimera                  | 1995R2 |                        |                      |
| West Nile Virus Vaccine, Killed Virus                               | 199520 |                        |                      |
| West Nile Virus Vaccine, Killed Virus                               | 199521 |                        |                      |
| West Nile Virus Vaccine, Killed Virus                               | 199522 |                        |                      |
| Yersinia Pestis Vaccine, Live Raccoon Pox Virus Vector              | 11Y2R0 |                        |                      |
| <b>Vaccines Totals</b>  |        | <b>101,841,876,760</b> | <b>3,408,159,923</b> |

## Veterinary Biological Products in Licensed Establishments

### Bacterins and bacterial extracts

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Actinobacillus Pleuropneumoniae Bacterin   | 265700 |                |                 |
| Actinobacillus Pleuropneumoniae-Glaesserella Parasuis-Pasteurella Multocida Bacterin                         | 267400 |                |                 |
| Aeromonas Salmonicida-Vibrio Anguillarum-Ordalii-Salmonicida Bacterin  | 213802 |                |                 |
| Autogenous Bacterial Extract   | 205200 |                |                 |
| Autogenous Bacterial Extract   | 205201 |                |                 |
| Autogenous Bacterin-Bacterial Extract  | 205300 |                |                 |
| Autogenous Bacterin  | 205100 | 164,315,526    | 1,789,781       |
| Autogenous Bacterin  | 205101 | 50,427,186     | 0               |
| Autogenous Bacterin  | 205104 |                |                 |
| Autogenous Bacterin  | 205112 |                |                 |
| Avibacterium Paragallinarum Bacterin   | 265800 |                |                 |
| Avibacterium Paragallinarum Bacterin   | 265811 |                |                 |
| Avibacterium Paragallinarum Bacterin   | 265812 |                |                 |
| Bordetella Bronchiseptica Bacterin   | 210002 |                |                 |
| Borrelia Burgdorferi Bacterial Extract   | 2126R0 |                |                 |
| Borrelia Burgdorferi Bacterial Extract   | 2126R1 |                |                 |
| Borrelia Burgdorferi Bacterin-Leptospira Canicola-Grippytyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract | 214600 |                |                 |
| Borrelia Burgdorferi Bacterin  | 212600 |                |                 |
| Borrelia Burgdorferi Bacterin  | 212601 |                |                 |
| Campylobacter Fetus Bacterin   | 286210 |                |                 |
| Campylobacter Fetus-Jejuni Bacterin  | 286100 |                |                 |
| Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin             | 286301 | 8,827,440      | 0               |
| Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin             | 286302 |                |                 |
| Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin             | 286305 |                |                 |
| Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin             | 286307 |                |                 |
| Chlamydia Abortus Bacterin   | 212010 |                |                 |
| Clostridium Chauvoei-Septicum Bacterin   | 240101 |                |                 |
| Clostridium Haemolyticum Bacterin  | 246500 |                |                 |
| Erysipelothrix Rhusiopathiae Bacterin  | 264101 |                |                 |
| Erysipelothrix Rhusiopathiae Bacterin  | 264102 |                |                 |
| Erysipelothrix Rhusiopathiae-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin    | 264202 |                |                 |
| Erysipelothrix Rhusiopathiae-Mycoplasma Hypopneumoniae Bacterin  | 2A4100 |                |                 |
| Erysipelothrix Rhusiopathiae-Mycoplasma Hypopneumoniae Bacterin  | 2A4101 |                |                 |
| Escherichia Coli Bacterin  | 264800 |                |                 |
| Escherichia Coli Bacterin  | 264807 |                |                 |
| Escherichia Coli Bacterin  | 264853 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Bacterins and bacterial extracts

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Escherichia Coli-Riemerella Anatipestifer Bacterin                             | 285000 |                |                 |
| Escherichia Coli-Salmonella Enteritidis Bacterial Extract                      | 27A600 |                |                 |
| Fusobacterium Necrophorum Bacterin   | 255600 |                |                 |
| Glaesserella Parasuis Bacterin   | 265200 |                |                 |
| Glaesserella Parasuis Bacterin   | 265201 |                |                 |
| Glaesserella Parasuis-Mycoplasma Hyopneumoniae Bacterin                        | 256503 |                |                 |
| Haemophilus Somnus Bacterin  | 265900 | 5,307,680      | 0               |
| Klebsiella Pneumoniae Bacterial Extract  | 287900 |                |                 |
| Lawsonia Intracellularis Bacterin  | 279920 |                |                 |
| Lawsonia Intracellularis Bacterin  | 279921 |                |                 |
| Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin   | 266500 |                |                 |
| Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin   | 266501 | 8,360,220      | 0               |
| Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin   | 266502 | 17,089,965     | 0               |
| Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin   | 266506 |                |                 |
| Leptospira Canicola-Grippotyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract | 266802 |                |                 |
| Leptospira Canicola-Grippotyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract | 266805 |                |                 |
| Leptospira Canicola-Grippotyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract | 266806 |                |                 |
| Leptospira Canicola-Grippotyphosa-Icterohaemorrhagiae-Pomona Bacterin          | 266800 | 23,696,049     | 1,152,489       |
| Leptospira Canicola-Grippotyphosa-Icterohaemorrhagiae-Pomona Bacterin          | 266803 |                |                 |
| Leptospira Canicola-Icterohaemorrhagiae Bacterin                               | 267100 |                |                 |
| Leptospira Canicola-Icterohaemorrhagiae Bacterin                               | 267102 |                |                 |
| Leptospira Hardjo Bacterin   | 26M701 |                |                 |
| Leptospira Hardjo-Pomona Bacterin  | 26M100 |                |                 |
| Leptospira Icterohaemorrhagiae Bacterin  | 287400 |                |                 |
| Leptospira Pomona Bacterin   | 269100 |                |                 |
| Leptospira Pomona Bacterin   | 269101 |                |                 |
| Mannheimia Haemolytica-Pasteurella Multocida Bacterin                          | 270000 |                |                 |
| Moraxella Bovis Bacterin   | 277200 | 4,597,330      | 1,671,731       |
| Moraxella Bovis Bacterin   | 277203 |                |                 |
| Moraxella Bovis Bacterin   | 277210 |                |                 |
| Moraxella Bovoculi Bacterin  | 2A7700 |                |                 |
| Mycoplasma Bovis Bacterin  | 276001 |                |                 |
| Mycoplasma Gallisepticum Bacterin  | 277400 |                |                 |
| Mycoplasma Gallisepticum Bacterin  | 277401 |                |                 |
| Mycoplasma Hyopneumoniae Bacterin  | 277500 | 43,513,890     | 0               |
| Mycoplasma Hyopneumoniae Bacterin  | 277501 | 106,966,800    | 5,953,920       |
| Mycoplasma Hyopneumoniae Bacterin  | 277502 |                |                 |
| Mycoplasma Hyopneumoniae Bacterin  | 277504 |                |                 |
| Mycoplasma Hyopneumoniae Bacterin  | 277505 |                |                 |

**Veterinary Biological Products in Licensed Establishments**  
**Bacterins and bacterial extracts**

| <b>Product</b>   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| <b>Mycoplasma Hyopneumoniae Bacterin</b>   | 277506      |                       |                        |
| <b>Neorickettsia Risticii Bacterin</b>   | 263900      |                       |                        |
| <b>Pasteurella Multocida Bacterial Extract</b>                                     | 270702      |                       |                        |
| <b>Pasteurella Multocida Bacterin, Avian Isolates, Types 1 &amp; 4 &amp; 3 X 4</b> | 270319      |                       |                        |
| <b>Salmonella Dublin-Typhimurium Bacterin</b>                                      | 282100      |                       |                        |
| <b>Salmonella Enteritidis Bacterial Extract</b>                                    | 27A502      |                       |                        |
| <b>Salmonella Enteritidis Bacterin</b>   | 278500      | 90,253,000            | 27,927,000             |
| <b>Salmonella Newport Bacterial Extract</b>  | 281100      |                       |                        |
| <b>Staphylococcus Aureus Bacterin</b>  | 285200      |                       |                        |
| <b>Streptococcus Equi Bacterial Extract</b>  | 285600      |                       |                        |
| <b>Streptococcus Uberis Bacterin</b>   | 285100      |                       |                        |
| <b>Bacterins and bacterial extracts Totals</b>                                     |             | <b>1,344,722,889</b>  | <b>82,867,866</b>      |

## Veterinary Biological Products in Licensed Establishments

### Antibody products

| <b>Product</b>   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| <b>Bovine Coronavirus-Escherichia Coli Antibody, Bovine Origin</b>   | 36B500      |                       |                        |
| <b>Bovine Coronavirus-Escherichia Coli Antibody, Bovine Origin</b>   | 36B502      |                       |                        |
| <b>Bovine IgG-Escherichia Coli Antibody, Bovine Origin</b>   | 361000      |                       |                        |
| <b>Bovine IgG-Escherichia Coli Antibody, Bovine Origin</b>   | 361001      |                       |                        |
| <b>Bovine IgG</b>  | 360600      | 1,399,480             | 0                      |
| <b>Bovine IgG</b>  | 360601      |                       |                        |
| <b>Bovine IgG</b>  | 360602      |                       |                        |
| <b>Bovine IgG</b>  | 360603      |                       |                        |
| <b>Bovine IgG</b>  | 360604      |                       |                        |
| <b>Bovine IgG</b>  | 360605      |                       |                        |
| <b>Bovine Rotavirus-Coronavirus-Escherichia Coli Antibody, Bovine Origin</b>   | 3625R2      |                       |                        |
| <b>Equine IgG-Rhodococcus Equi Antibody, Equine Origin</b>   | 390000      |                       |                        |
| <b>Equine IgG</b>  | 360700      | 1,246,700             | 98,000                 |
| <b>Equine IgG</b>  | 360701      | 7,249,974             | 0                      |
| <b>Normal Serum, Equine Origin</b>   | 360200      |                       |                        |
| <b>Rhodococcus Equi Antibody, Equine Origin</b>  | 375000      | 8,029,100             | 101,000                |
| <b>Trueperella Pyogenes-Escherichia Coli-Mannheimia Haemolytica-Pasteurella Multocida-Salmonella Typhimurium Antibody, Bovine Origin</b> | 339100      |                       |                        |
| <b>Antibody products Totals</b>  |             | <b>29,851,609</b>     | <b>199,000</b>         |



## Veterinary Biological Products in Licensed Establishments

### Vaccines with bacterins/bacterial extracts/toxoids

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Autogenous Vaccine, Killed Virus, Autogenous Bacterin  | 450010 |                |                 |
| Autogenous Vaccine, Killed Virus, Autogenous Bacterin  | 450020 | 4,834,333      | 0               |
| Autogenous Vaccine, Killed Virus, Autogenous Bacterin  | 450021 |                |                 |
| Autogenous Vaccine, Killed Virus, Autogenous Bacterin  | 450012 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea Vaccine, Killed Virus, Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin  | 414522 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea Vaccine, Killed Virus, Haemophilus Somnus-Mannheimia Haemolytica-Pasteurella Multocida Bacterin-Toxoid   | 43S520 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin  | 433520 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Campylobacter Fetus-Haemophilus Somnus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin | 44M520 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Campylobacter Fetus-Haemophilus Somnus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin | 44M522 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin                    | 44B520 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin                    | 44B620 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Haemophilus Somnus Bacterin   | 44C520 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Haemophilus Somnus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin                     | 44D722 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin  | 446520 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin  | 446524 |                |                 |
| Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin  | 446620 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines with bacterins/bacterial extracts/toxoids

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Killed Virus, Mannheimia Haemolytica Bacterin</b>                        | 44A520 |                |                 |
| <b>Bovine Rhinotracheitis-Virus Diarrhea-Parainfluenza 3-Respiratory Syncytial Virus Vaccine, Modified Live Virus, Mannheimia Haemolytica Toxoid</b>                   | 4X4120 |                |                 |
| <b>Bovine Rotavirus -Coronavirus Vaccine, Killed Virus, Clostridium Perfringens Type C-Escherichia Coli Bacterin-Toxoid</b>  | 457020 |                |                 |
| <b>Bovine Rotavirus-Coronavirus Vaccine, Killed Virus, Clostridium Perfringens Type C-Escherichia Coli Bacterin-Toxoid</b>   | 457022 |                |                 |
| <b>Bovine Rotavirus-Coronavirus Vaccine, Killed Virus, Clostridium Perfringens Types C &amp; D-Escherichia Coli Bacterin-Toxoid</b>                                    | 457520 |                |                 |
| <b>Bovine Rotavirus-Coronavirus Vaccine, Killed Virus, Escherichia Coli Bacterin</b>   | 458522 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Killed Virus, Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin</b>                   | 45B521 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin</b>                                       | 459521 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin</b>                                       | 459525 |                |                 |
| <b>Bovine Virus Diarrhea Vaccine, Modified Live Virus, Mannheimia Haemolytica Toxoid</b>   | 4A9120 |                |                 |
| <b>Canine Coronavirus Vaccine, Killed Virus, Borrelia Burgdorferi Bacterin-Leptospira Canicola-Grippytyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract</b>          | 47E521 |                |                 |
| <b>Canine Coronavirus Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract</b>  | 46E521 |                |                 |
| <b>Canine Coronavirus Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract</b>  | 46E527 |                |                 |
| <b>Canine Coronavirus Vaccine, Killed Virus, Leptospira Canicola-Grippytyphosa-Icterohaemorrhagiae-Pomona Bacterial Extract</b>  | 46E528 |                |                 |
| <b>Canine Coronavirus Vaccine, Killed Virus, Leptospira Icterohaemorrhagiae Bacterial Extract</b>  | 46D521 |                |                 |
| <b>Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Leptospira Canicola-Grippytyphosa-Icterohaemorrhagiae-Pomona Bacterin</b> | 47K120 |                |                 |
| <b>Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Leptospira Canicola-Icterohaemorrhagiae Bacterin</b>                      | 463720 |                |                 |
| <b>Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Leptospira Canicola-Icterohaemorrhagiae Bacterin</b>                      | 463723 |                |                 |
| <b>Encephalomyelitis Vaccine, Eastern &amp; Western &amp; Venezuelan, Killed Virus, Tetanus Toxoid</b>   | 486522 |                |                 |
| <b>Encephalomyelitis Vaccine, Eastern &amp; Western &amp; Venezuelan, Killed Virus, Tetanus Toxoid</b>   | 4865A0 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines with bacterins/bacterial extracts/toxoids

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| Encephalomyelitis Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 486501 |                |                 |
| Encephalomyelitis Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 486524 |                |                 |
| Encephalomyelitis Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 486528 |                |                 |
| Encephalomyelitis Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 4865A1 |                |                 |
| Encephalomyelitis-Influenza Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 483546 |                |                 |
| Encephalomyelitis-Influenza Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 483526 |                |                 |
| Encephalomyelitis-Influenza-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 46W5A1 |                |                 |
| Encephalomyelitis-Rabies-West Nile Virus Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid                                   | 48R520 |                |                 |
| Encephalomyelitis-Rabies-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid  | 48R521 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid                               | 484726 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid                               | 4847A0 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid  | 484521 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid  | 484526 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid  | 484533 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid  | 4845A1 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid               | 49W521 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Killed Flavivirus Chimera, Tetanus Toxoid | 4855R2 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid                            | 485524 |                |                 |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid                            | 485525 |                |                 |
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 48W524 |                |                 |
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid  | 48W525 |                |                 |
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid  | 48W5A2 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Vaccines with bacterins/bacterial extracts/toxoids

| Product  | Code   | Doses Produced     | Doses Destroyed   |
|--|--------|--------------------|-------------------|
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Killed Flavivirus Chimera, Tetanus Toxoid                                  | 48W5R1 |                    |                   |
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 48W521 |                    |                   |
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | 48W5A3 |                    |                   |
| Newcastle Disease-Bronchitis Vaccine, Mass & Ark Types, Killed Virus, Salmonella Enteritidis Bacterin  | 48D711 |                    |                   |
| Newcastle-Bronchitis Vaccine, Mass Type, Killed Virus, Mycoplasma Gallisepticum Bacterin   | 48B510 |                    |                   |
| Newcastle-Bronchitis Vaccine, Mass Type, Killed Virus, Salmonella Enteritidis Bacterin   | 48D610 |                    |                   |
| Parvovirus Vaccine, Killed Virus, Erysipelothrix Rhusiopathiae-Leptospira Bratislava-Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin | 4BC520 |                    |                   |
| Parvovirus Vaccine, Killed Virus, Erysipelothrix Rhusiopathiae-Leptospira Bratislava-Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin | 4BC521 |                    |                   |
| Parvovirus Vaccine, Killed Virus, Erysipelothrix Rhusiopathiae-Leptospira Bratislava-Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin | 4BC522 |                    |                   |
| Parvovirus Vaccine, Killed Virus, Erysipelothrix Rhusiopathiae-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin            | 48C520 |                    |                   |
| Parvovirus Vaccine, Killed Virus, Erysipelothrix Rhusiopathiae-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin            | 48C522 |                    |                   |
| Porcine Circovirus Vaccine, Type 1 -Type 2 Chimera, Killed Virus, Mycoplasma Hyopneumoniae Bacterin  | 49K5R5 |                    |                   |
| Porcine Circovirus Vaccine, Type 1 -Type 2 Chimera, Killed Virus, Mycoplasma Hyopneumoniae Bacterin  | 49K5R7 |                    |                   |
| Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector, Lawsonia Intracellularis-Mycoplasma Hyopneumoniae Bacterin                              | 49L5R0 |                    |                   |
| Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector, Mycoplasma Hyopneumoniae Bacterin   | 49K5R1 | 51,036,830         | 0                 |
| Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector, Mycoplasma Hyopneumoniae Bacterin   | 49K5R6 |                    |                   |
| Rabies Vaccine, Killed Virus, Neorickettsia Risticii Bacterin  | 490520 |                    |                   |
| Trichomonas Foetus Vaccine, Killed Protozoa-Campylobacter Fetus-Leptospira Canicola-Grippytyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin           | 499000 |                    |                   |
| <b>Vaccines with bacterins/bacterial extracts/toxoids Totals</b>   |        | <b>678,725,249</b> | <b>25,775,847</b> |

## Veterinary Biological Products in Licensed Establishments

### Diagnostic products

| Product   | Code   | Doses Produced | Doses Destroyed |
|---|--------|----------------|-----------------|
| African Swine Fever Virus DNA Test Kit                                    | 57A580 |                |                 |
| Anaplasma Antibody Test Kit, cELISA                                       | 500221 |                |                 |
| Avian Encephalomyelitis Virus Antibody Test Kit                           | 500600 | 892,160        | 0               |
| Avian Influenza Virus Antibody Test Kit, ELISA                            | 500420 |                |                 |
| Avian Influenza Virus Antibody Test Kit                                   | 500400 |                |                 |
| Avian Influenza Virus RNA Test Kit  | 50A580 |                |                 |
| Avian Influenza Virus Type A Antigen Test Kit                             | 518052 |                |                 |
| Avian Leukosis Virus Antibody Test Kit, Subgroup J                        | 500702 |                |                 |
| Avian Leukosis Virus Antibody Test Kit                                    | 500701 |                |                 |
| Avian Leukosis Virus Antigen Test Kit                                     | 500700 |                |                 |
| Avian Reovirus Antibody Test Kit  | 500800 | 2,321,780      | 0               |
| Babesia Caballi Antibody Test Kit, cELISA                                 | 501A20 |                |                 |
| Bluetongue Virus Antibody Test Kit, cELISA                                | 501020 |                |                 |
| Bluetongue Virus Antibody Test Kit  | 501000 |                |                 |
| Bordetella Avium Antibody Test Kit  | 501500 |                |                 |
| Bovine Leukemia Virus Antibody Test Kit                                   | 550520 |                |                 |
| Bovine Virus Diarrhea Antigen Test Kit                                    | 5A0500 |                |                 |
| Bovine Virus Diarrhea Antigen Test Kit                                    | 5A0522 | 994,623        | 0               |
| Bovine Virus Diarrhea RNA Test Kit  | 5A0680 |                |                 |
| Brucella Abortus Antibody Test Kit  | 501330 |                |                 |
| Canine Anaplasma Antibody Test Kit  | 575120 |                |                 |
| Canine Borrelia Burgdorferi Antibody Test Kit                             | 501750 |                |                 |
| Canine Distemper-Adenovirus Type 2-Parvovirus Antibody Test Kit, Dot Blot | 53P250 |                |                 |
| Canine Distemper-Parvovirus Antibody Test Kit                             | 53P100 |                |                 |
| Canine Ehrlichia Antibody Test Kit  | 503920 |                |                 |
| Canine Leptospira Antibody Test Kit                                       | 505220 |                |                 |
| Canine Leptospira Antibody Test Kit                                       | 505221 |                |                 |
| Canine Leptospira Antibody Test Kit                                       | 505250 |                |                 |
| Canine Parvovirus Antigen Test Kit, Blot Test                             | 502400 |                |                 |
| Canine Parvovirus Antigen Test Kit, Blot Test                             | 502450 |                |                 |
| Canine Parvovirus Antigen Test Kit  | 502403 |                |                 |
| Canine Parvovirus-Coronavirus Antigen Test Kit                            | 5A2250 |                |                 |
| Canine Rheumatoid Factor Antigen Test Kit                                 | 501200 |                |                 |
| Chicken Anemia Virus Antibody Test Kit                                    | 50C100 |                |                 |
| Chicken Anemia Virus Antibody Test Kit                                    | 50C101 |                |                 |
| Chronic Wasting Disease Antigen Test Kit, EIA                             | 542021 |                |                 |
| Equine Infectious Anemia Virus Antibody Test Kit, ELISA                   | 551500 | 512,832        | 0               |
| Equine Infectious Anemia Virus Antibody Test Kit, ELISA                   | 551501 |                |                 |
| Equine Infectious Anemia Virus Antibody Test Kit                          | 551521 |                |                 |
| Equine Infectious Anemia Virus Antibody Test Kit                          | 551522 |                |                 |
| Feline Immunodeficiency Virus Antibody Test Kit                           | 503600 |                |                 |
| Feline Infectious Peritonitis Virus Antibody Test Kit                     | 502900 |                |                 |
| Feline Leukemia Virus Antigen Test Kit                                    | 502801 |                |                 |
| Feline Leukemia Virus Antigen Test Kit                                    | 502802 |                |                 |
| Feline Leukemia Virus Antigen Test Kit                                    | 502803 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Diagnostic products

| Product   | Code   | Doses Produced | Doses Destroyed |
|---|--------|----------------|-----------------|
| Feline Leukemia Virus Antigen-Feline Immunodeficiency Virus Antibody Test Kit                                     | 502A01 |                |                 |
| Feline Leukemia Virus Antigen-Feline Immunodeficiency Virus Antibody Test Kit                                     | 502A02 |                |                 |
| Feline Panleukopenia Virus Antibody Test Kit, Dot Blot  | 503F50 |                |                 |
| Foot and Mouth Disease Virus Antibody Test Kit  | 5FM020 |                |                 |
| Foot and Mouth Disease Virus RNA Test Kit   | 5FM181 |                |                 |
| Fowl Laryngotracheitis Virus Antibody Test Kit  | 560100 |                |                 |
| Giardia Antigen Test Kit  | 5G0550 |                |                 |
| Heartworm Antigen Test Kit  | 501800 | 5,487,815      | 0               |
| Heartworm Antigen Test Kit  | 501802 |                |                 |
| Heartworm Antigen Test Kit  | 501803 |                |                 |
| Heartworm Antigen Test Kit  | 501808 |                |                 |
| Heartworm Antigen-Anaplasma Phagocytophilum-Platys-Borrelia Burgdorferi-Ehrlichia Canis-Ewingii Antibody Test Kit | 5P2100 |                |                 |
| Heartworm Antigen-Anaplasma-Borrelia Burgdorferi-Ehrlichia Antibody Test Kit                                      | 5P2300 |                |                 |
| Heartworm Antigen-Anaplasma-Borrelia Burgdorferi-Ehrlichia Antibody Test Kit                                      | 5P2301 |                |                 |
| Heartworm-Feline Leukemia Virus Antigen-Feline Immunodeficiency Virus Antibody Test Kit                           | 502C01 |                |                 |
| Heartworm-Feline Leukemia Virus Antigen-Feline Immunodeficiency Virus Antibody Test Kit                           | 502C51 |                |                 |
| Hemorrhagic Enteritis Virus Antibody Test Kit   | 57E100 |                |                 |
| Infectious Bronchitis Virus Antibody Test Kit   | 503000 | 3,361,380      | 0               |
| Infectious Bursal Disease Virus Antibody Test Kit   | 504000 | 2,650,620      | 0               |
| Infectious Bursal Disease Virus Antibody Test Kit   | 504001 |                |                 |
| Mycobacterium Avium subspecies Paratuberculosis Antibody Test Kit   | 506400 |                |                 |
| Mycobacterium Avium subspecies Paratuberculosis Antibody Test Kit   | 506401 |                |                 |
| Mycobacterium Avium subspecies Paratuberculosis Antibody Test Kit   | 506420 |                |                 |
| Mycobacterium Avium subspecies Paratuberculosis DNA Test Kit  | 506600 |                |                 |
| Mycobacterium Bovis Antibody Test Kit   | 5A6520 |                |                 |
| Mycobacterium Bovis-Mycobacterium Tuberculosis Antibody Test Kit  | 547050 |                |                 |
| Mycoplasma Gallisepticum Antibody Test Kit  | 507000 | 3,197,700      | 0               |
| Mycoplasma Gallisepticum Antibody Test Kit  | 507001 |                |                 |
| Mycoplasma Gallisepticum Antigen  | 507102 |                |                 |
| Mycoplasma Gallisepticum-Synoviae Antibody Test Kit   | 507400 |                |                 |
| Mycoplasma Gallisepticum-Synoviae Antibody Test Kit   | 507420 |                |                 |
| Mycoplasma Hyopneumoniae Antibody Test Kit  | 507500 |                |                 |
| Mycoplasma Meleagridis Antibody Test Kit  | 517200 |                |                 |
| Mycoplasma Meleagridis Antigen  | 507201 |                |                 |
| Mycoplasma Synoviae Antibody Test Kit   | 517300 | 3,293,680      | 0               |
| Mycoplasma Synoviae Antibody Test Kit   | 517301 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Diagnostic products

| Product  | Code   | Doses Produced    | Doses Destroyed |
|--|--------|-------------------|-----------------|
| <b>Mycoplasma Synoviae Antigen</b>   | 507302 |                   |                 |
| <b>Neospora Caninum Antibody Test Kit, cELISA</b>                              | 5N0520 |                   |                 |
| <b>Neospora Caninum Antibody Test Kit</b>                                      | 5N0500 |                   |                 |
| <b>Newcastle Disease Virus Antibody Test Kit, ELISA</b>                        | 508020 |                   |                 |
| <b>Newcastle Disease Virus Antibody Test Kit</b>                               | 508000 |                   |                 |
| <b>Newcastle Disease Virus Antibody Test Kit</b>                               | 508001 |                   |                 |
| <b>Pasteurella Multocida Antibody Test Kit</b>                                 | 513000 |                   |                 |
| <b>Pasteurella Multocida Antibody Test Kit</b>                                 | 513001 |                   |                 |
| <b>Porcine Reproductive &amp; Respiratory Syndrome Virus Antibody Test Kit</b> | 59S502 |                   |                 |
| <b>Porcine Reproductive &amp; Respiratory Syndrome Virus Antibody Test Kit</b> | 59S503 |                   |                 |
| <b>Porcine Reproductive &amp; Respiratory Syndrome Virus Antibody Test Kit</b> | 59S520 |                   |                 |
| <b>Pseudorabies Virus Antibody Test Kit</b>                                    | 511002 |                   |                 |
| <b>Pseudorabies Virus Antibody Test Kit</b>                                    | 511003 |                   |                 |
| <b>Pseudorabies Virus gB Antibody Test Kit</b>                                 | 511400 |                   |                 |
| <b>Pseudorabies Virus gpl Antibody Test Kit</b>                                | 511300 |                   |                 |
| <b>Pullorum Antigen, Stained Antigen Polyvalent</b>                            | 520702 |                   |                 |
| <b>Reticuloendotheliosis Virus Antibody Test Kit</b>                           | 526500 |                   |                 |
| <b>Salmonella Enteritidis-Typhimurium Antibody Test Kit</b>                    | 57E500 |                   |                 |
| <b>Small Ruminant Lentivirus Antibody Test Kit, cELISA</b>                     | 513920 |                   |                 |
| <b>Swine Influenza Virus Antibody Test Kit</b>                                 | 59A520 |                   |                 |
| <b>Swine Influenza Virus RNA Test Kit</b>                                      | 59A780 |                   |                 |
| <b>Swine Influenza Virus RNA Test Kit</b>                                      | 59A781 |                   |                 |
| <b>Swine Influenza Virus Type A Antigen Test Kit</b>                           | 518151 |                   |                 |
| <b>Theileria Equi Antibody Test Kit</b>  | 501B20 |                   |                 |
| <b>Transmissible Spongiform Encephalopathy Antigen Test Kit, ELISA</b>         | 543120 |                   |                 |
| <b>Trichomonas Foetus DNA Test Kit</b>   | 529280 |                   |                 |
| <b>Tuberculin, Mammalian, Human Isolates, Intradermic</b>                      | 530100 |                   |                 |
| <b>Tuberculin, PPD Bovis, Intradermic</b>                                      | 530200 |                   |                 |
| <b>West Nile Virus Antibody Test Kit, ELISA</b>                                | 599620 |                   |                 |
| <b>Diagnostic products Totals</b>  |        | <b>85,532,855</b> | <b>0</b>        |

## Veterinary Biological Products in Licensed Establishments

### Antitoxins

| <b>Product</b>  | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|---|-------------|-----------------------|------------------------|
| <b>Antivenin, Crotalidae Polyvalent, Equine Origin</b>                  | 610101      |                       |                        |
| <b>Clostridium Botulinum Type B Antitoxin, Equine Origin</b>            | 640000      |                       |                        |
| <b>Clostridium Perfringens Types C &amp; D Antitoxin, Equine Origin</b> | 622100      |                       |                        |
| <b>Tetanus Antitoxin</b>  | 630200      |                       |                        |
| <b>Antitoxins Totals</b>  |             | <b>6,136,376</b>      | <b>7,650</b>           |



## Veterinary Biological Products in Licensed Establishments

### Bacterin-toxoids

| Product  | Code   | Doses Produced | Doses Destroyed |
|--|--------|----------------|-----------------|
| <b>Bordetella Bronchiseptica-Erysipelothrix Rhusiopathiae-Pasteurella Multocida Bacterin-Toxoid</b>                              | 705401 |                |                 |
| <b>Bordetella Bronchiseptica-Pasteurella Multocida Bacterin-Toxoid</b>   | 706000 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Sordellii-Perfringens Types C &amp; D Bacterin-Toxoid</b>                    | 716000 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Sordellii-Perfringens Types C &amp; D Bacterin-Toxoid</b>                    | 716001 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Sordellii-Perfringens Types C &amp; D Bacterin-Toxoid</b>                    | 716002 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Sordellii-Perfringens Types C &amp; D-Haemophilus Somnus Bacterin-Toxoid</b> | 7B2300 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Sordellii-Tetani-Perfringens Types C &amp; D Bacterin-Toxoid</b>             | 734000 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Tetani-Perfringens Types C &amp; D Bacterin-Toxoid</b>                       | 728000 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C &amp; D Bacterin-Toxoid</b>                                 | 741000 | 12,611,270     | 566,800         |
| <b>Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C &amp; D Bacterin-Toxoid</b>                                 | 741001 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C &amp; D Bacterin-Toxoid</b>                                 | 741002 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C &amp; D-Haemophilus Somnus Bacterin-Toxoid</b>              | 742300 | 32,414,730     | 1,613,060       |
| <b>Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C &amp; D-Moraxella Bovis Bacterin-Toxoid</b>                 | 742501 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C &amp; D-Moraxella Bovis Bacterin-Toxoid</b>                 | 742502 |                |                 |
| <b>Clostridium Chauvoei-Septicum-Novyi-Sordellii-Perfringens Types C &amp; D-Moraxella Bovis Bacterin-Toxoid</b>                 | 742503 |                |                 |
| <b>Clostridium Perfringens Type C-Escherichia Coli Bacterin-Toxoid</b>   | 789000 |                |                 |
| <b>Clostridium Perfringens Type C-Escherichia Coli Bacterin-Toxoid</b>   | 789001 |                |                 |
| <b>Clostridium Perfringens Types C &amp; D Bacterin-Toxoid</b>   | 787000 |                |                 |
| <b>Clostridium Perfringens Types C &amp; D-Tetani Bacterin-Toxoid</b>  | 788500 |                |                 |
| <b>Corynebacterium Pseudotuberculosis Bacterin-Toxoid</b>  | 7A9401 |                |                 |
| <b>Escherichia Coli Bacterin-Toxoid</b>  | 785000 |                |                 |
| <b>Haemophilus Somnus-Mannheimia Haemolytica-Pasteurella Multocida Bacterin-Toxoid</b>   | 789501 |                |                 |
| <b>Haemophilus Somnus-Mannheimia Haemolytica-Pasteurella Multocida-Salmonella Typhimurium Bacterin-Toxoid</b>                    | 79A501 |                |                 |
| <b>Mannheimia Haemolytica Bacterial Extract-Toxoid</b>   | 7906R0 |                |                 |
| <b>Mannheimia Haemolytica Bacterin-Toxoid</b>  | 790500 |                |                 |

## Veterinary Biological Products in Licensed Establishments

### Bacterin-toxoids

| <b>Product</b>   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| <b>Mannheimia Haemolytica Bacterin-Toxoid</b>                                | 790501      |                       |                        |
| <b>Mannheimia Haemolytica-Pasteurella Multocida Bacterin-Toxoid</b>          | 793503      |                       |                        |
| <b>Mannheimia Haemolytica-Pasteurella Multocida Bacterin-Toxoid</b>          | 793504      |                       |                        |
| <b>Pasteurella Multocida Bacterial Extract-Mannheimia Haemolytica Toxoid</b> | 794500      |                       |                        |
| <b>Salmonella Typhimurium Bacterin-Toxoid</b>                                | 791000      |                       |                        |
| <b>Salmonella Typhimurium Bacterin-Toxoid</b>                                | 791001      |                       |                        |
| <b>Bacterin-toxoids Totals</b>   |             | <b>240,737,255</b>    | <b>7,546,340</b>       |

## Veterinary Biological Products in Licensed Establishments

### Toxoids

| <b>Product</b>  | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|---|-------------|-----------------------|------------------------|
| <b>Clostridium Botulinum Type B Toxoid</b>                    | 801000      |                       |                        |
| <b>Clostridium Perfringens Types C &amp; D Toxoid</b>         | 820100      |                       |                        |
| <b>Clostridium Perfringens Types C &amp; D Toxoid</b>         | 820102      |                       |                        |
| <b>Clostridium Perfringens Types C &amp; D-Tetanus Toxoid</b> | 830400      |                       |                        |
| <b>Crotalus Atrox Toxoid</b>                                  | 890000      |                       |                        |
| <b>Crotalus Atrox Toxoid</b>                                  | 890001      |                       |                        |
| <b>Mannheimia Haemolytica Toxoid</b>                          | 869900      |                       |                        |
| <b>Mannheimia Haemolytica Toxoid</b>                          | 869901      |                       |                        |
| <b>Tetanus Toxoid</b>   | 860100      |                       |                        |
| <b>Tetanus Toxoid</b>   | 860101      |                       |                        |
| <b>Tetanus Toxoid</b>   | 860102      |                       |                        |
| <b>Toxoids Totals</b>   |             | <b>28,598,987</b>     | <b>368,310</b>         |

## Veterinary Biological Products in Licensed Establishments

### Miscellaneous

| <b>Product</b>                                   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| Allergenic Extract, Flea Antigen                 | 952500      |                       |                        |
| Allergenic Extract, House Dust                   | 952100      |                       |                        |
| Allergenic Extract, Human Hair                   | 95B100      |                       |                        |
| Allergenic Extract, Mixed Epidermals             | 952700      | 888                   | 0                      |
| Allergenic Extract, Mixed Grasses                | 952203      | 10,074                | 0                      |
| Allergenic Extract, Mixed Inhalants              | 952400      | 1,542                 | 0                      |
| Allergenic Extract, Mixed Insects                | 952800      | 10,331                | 0                      |
| Allergenic Extract, Mixed Mites                  | 95A100      |                       |                        |
| Allergenic Extract, Mixed Molds                  | 952300      | 6,916                 | 0                      |
| Allergenic Extract, Mixed Trees                  | 952202      | 7,943                 | 0                      |
| Allergenic Extract, Mixed Weeds                  | 952204      | 8,562                 | 0                      |
| Allergenic Extract, Prescription Product         | 953100      | 1,490,981             | 0                      |
| Canine Allergic Dermatitis Immunotherapeutic     | 958003      |                       |                        |
| Canine Atopic Dermatitis Immunotherapeutic       | 958002      |                       |                        |
| Canine Melanoma Vaccine, DNA                     | 9240D0      |                       |                        |
| Mycobacterium Cell Wall Fraction Immunostimulant | 930001      |                       |                        |
| Mycobacterium Cell Wall Fraction Immunostimulant | 930002      |                       |                        |
| Polyprenyl Immunostimulant                       | 938000      |                       |                        |
| Prescription Product, RNA Particle               | 9PP000      |                       |                        |
| Propionibacterium Acnes Immunostimulant          | 935000      |                       |                        |
| <b>Miscellaneous Totals</b>                      |             | <b>27,201,280</b>     | <b>31,200</b>          |

## Veterinary Biological Products in Licensed Establishments

For further manufacture: vaccines

| Product   | Code   | Doses Produced     | Doses Destroyed |
|---|--------|--------------------|-----------------|
| Autogenous Vaccine, Killed Virus                          | A01521 |                    |                 |
| Autogenous Virus, Killed Virus                            | A01520 | 16,710             | 0               |
| Autogenous Virus, Live Virus                              | A01510 |                    |                 |
| Bovine Coronavirus, Modified Live Virus                   | A93126 |                    |                 |
| Bovine Respiratory Syncytial Virus, Modified Live Virus   | A09120 |                    |                 |
| Bovine Rhinotracheitis Virus, Killed Virus                | A10521 |                    |                 |
| Bovine Virus Diarrhea Virus, Killed Virus                 | A20520 |                    |                 |
| Bovine Virus Diarrhea Virus, Killed Virus                 | A20521 |                    |                 |
| Bovine Virus Diarrhea Virus, Killed Virus                 | A20523 |                    |                 |
| Bovine Virus Diarrhea Virus, Killed Virus                 | A20524 |                    |                 |
| Bursal Disease Virus, Live Variant                        | A2B943 |                    |                 |
| Bursal Disease Virus, Live Variant                        | A2B950 |                    |                 |
| Bursal Disease Virus, Live Virus                          | A27100 |                    |                 |
| Bursal Disease Virus, Live Virus                          | A27150 |                    |                 |
| Bursal Disease Virus, Live Virus                          | A2B14A |                    |                 |
| Bursal Disease Virus, Live Virus                          | A3B102 |                    |                 |
| Bursal Disease Virus, Variant Strain, Live Virus          | A2B940 |                    |                 |
| Canine Adenovirus Type 2, Modified Live Virus             | A34121 |                    |                 |
| Canine Distemper Virus, Modified Live Virus               | A30120 |                    |                 |
| Canine Parainfluenza Virus, Modified Live Virus           | A42120 |                    |                 |
| Canine Parvovirus, Modified Live Virus                    | A8M123 |                    |                 |
| Coccidiosis Vaccine, Live Oocysts                         | A43151 |                    |                 |
| Coccidiosis Vaccine, Live Oocysts                         | A43154 |                    |                 |
| Coccidiosis Vaccine, Live Oocysts                         | A43155 |                    |                 |
| Encephalomyelitis Virus, Western, Killed Virus            | A48525 |                    |                 |
| Equine Influenza Virus, Killed Virus                      | A50520 |                    |                 |
| Equine Rotavirus, Killed Virus                            | AE1522 |                    |                 |
| Feline Calicivirus, Modified Live Virus                   | A5C120 |                    |                 |
| Feline Infectious Peritonitis Virus, Modified Live Virus  | A5A120 |                    |                 |
| Feline Leukemia Vaccine, Killed Virus                     | A55523 |                    |                 |
| Feline Leukemia Virus Antigen                             | A555R1 |                    |                 |
| Feline Panleukopenia Virus, Modified Live Virus           | A56122 |                    |                 |
| Feline Rhinotracheitis Virus, Modified Live Virus         | A6A120 |                    |                 |
| Giardia Lamblia Vaccine, Killed Protozoa                  | A8G500 |                    |                 |
| Infectious Hematopoietic Necrosis Virus Vaccine, DNA      | A7A5D0 |                    |                 |
| Porcine Circovirus, Type 1 - Type 2 Chimera, Killed Virus | A9K5R2 |                    |                 |
| Porcine Circovirus, Type 2, Killed Baculovirus Vector     | A9K5R0 |                    |                 |
| Rabies Virus, Killed Virus                                | A90522 |                    |                 |
| West Nile Virus, Killed Virus                             | A99520 |                    |                 |
| West Nile Virus, Killed Virus                             | A99521 |                    |                 |
| <b>For further manufacture: vaccines Totals</b>           |        | <b>455,226,110</b> | <b>698,500</b>  |

## Veterinary Biological Products in Licensed Establishments

For further manufacture: bacterins and bacterial extracts

| <b>Product</b>   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| <b>Autogenous Bacterin</b>   | B05104      |                       |                        |
| <b>Autogenous Killed Culture</b>   | B05100      | 148,862               | 0                      |
| <b>Escherichia Coli Bacterin, Killed Culture</b>   | B64804      |                       |                        |
| <b>Leptospira Canicola, Killed Culture</b>   | B66100      |                       |                        |
| <b>Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-Pomona, Killed Culture</b> | B66501      |                       |                        |
| <b>Leptospira Canicola-Grippotyphosa-Icterohaemorrhagiae-Pomona, Killed Culture</b>        | B66800      |                       |                        |
| <b>Leptospira Hardjo Bacterin</b>  | B6M701      |                       |                        |
| <b>Leptospira Icterohaemorrhagiae, Killed Culture</b>                                      | B66A00      |                       |                        |
| <b>Moraxella Bovis Bacterin</b>  | B77200      |                       |                        |
| <b>Moraxella Bovis, Killed Culture</b>   | B77201      |                       |                        |
| <b>Mycoplasma Hyopneumoniae Bacterin</b>   | B77503      |                       |                        |
| <b>Mycoplasma Hyopneumoniae, Killed Culture</b>  | B77501      |                       |                        |
| <b>For further manufacture: bacterins and bacterial extracts Totals</b>                    |             | <b>30,784,173</b>     | <b>0</b>               |

**Veterinary Biological Products in Licensed Establishments**

**For further manufacture: antibody products**

| <b>Product</b>   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| <b>Bursal Disease Antibody, Chicken Origin</b>               | C20500      |                       |                        |
| <b>Canine Atopic Dermatitis Monoclonal Antibody</b>          | C58000      |                       |                        |
| <b>For further manufacture: antibody products<br/>Totals</b> |             | <b>3,156,274</b>      | <b>0</b>               |

## Veterinary Biological Products in Licensed Establishments

For further manufacture: vaccines with bacterins/bacterial extracts/toxoids

| <b>Product</b>   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| Autogenous Virus, Killed Virus, Autogenous Killed Culture  | D50020      |                       |                        |
| Encephalomyelitis Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid  | D86525      |                       |                        |
| Encephalomyelitis Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | D86522      |                       |                        |
| Encephalomyelitis-Rhinopneumonitis-Influenza Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid                              | D84520      |                       |                        |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid | D85520      |                       |                        |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western & Venezuelan, Killed Virus, Tetanus Toxoid | D85521      |                       |                        |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid              | D85522      |                       |                        |
| Encephalomyelitis-Rhinopneumonitis-Influenza-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid              | D85524      |                       |                        |
| Encephalomyelitis-West Nile Virus Vaccine, Eastern & Western, Killed Virus, Tetanus Toxoid   | D8W521      |                       |                        |
| Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector, Mycoplasma Hyopneumoniae Bacterin                                   | D9K5R0      |                       |                        |
| <b>For further manufacture: vaccines with bacterins/bacterial extracts/toxoids Totals</b>  |             | <b>1,378,621</b>      | <b>0</b>               |



**Veterinary Biological Products in Licensed Establishments**

**For further manufacture: diagnostic products**

| <b>Product</b>   | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| Canine Parvovirus Antigen Test Kit                             | E02403      |                       |                        |
| Giardia Antigen Test Kit                                       | EG0550      |                       |                        |
| <b>For further manufacture: diagnostic products<br/>Totals</b> |             | <b>4,123,940</b>      | <b>0</b>               |

**Veterinary Biological Products in Licensed Establishments**

**For further manufacture: antitoxins**

| <b>Product</b>                                    | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|---|-------------|-----------------------|------------------------|
| <b>Tetanus Antitoxin, Equine Origin</b>           | F30200      |                       |                        |
| <b>For further manufacture: antitoxins Totals</b> |             | <b>25,000</b>         | <b>0</b>               |

## Veterinary Biological Products in Licensed Establishments

For further manufacture: bacterin-toxoids

| <b>Product</b>  | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|---|-------------|-----------------------|------------------------|
| <b>Clostridium Sordellii, Killed Culture</b>                | GC9000      |                       |                        |
| <b>Corynebacterium Pseudotuberculosis Bacterin-Toxoid</b>   | GA9400      |                       |                        |
| <b>Mannheimia Haemolytica Bacterin-Toxoid</b>               | G90500      |                       |                        |
| <b>For further manufacture: bacterin-toxoids<br/>Totals</b> |             | <b>1,469,075</b>      | <b>0</b>               |

## Veterinary Biological Products in Licensed Establishments

For further manufacture: toxoids

| <b>Product</b>                                 | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| <b>Clostridium Perfringens Type C Toxoid</b>   | H10100      |                       |                        |
| <b>Clostridium Perfringens Type D Toxoid</b>   | H30101      |                       |                        |
| <b>Tetanus Toxoid, Killed Culture</b>          | H60101      |                       |                        |
| <b>For further manufacture: toxoids Totals</b> |             | <b>3,500,200</b>      | <b>0</b>               |

## Veterinary Biological Products in Licensed Establishments

For further manufacture: miscellaneous

| <b>Product</b>                                       | <b>Code</b> | <b>Doses Produced</b> | <b>Doses Destroyed</b> |
|--|-------------|-----------------------|------------------------|
| <b>Bm86 Immunomodulator</b>                          | I392R0      |                       |                        |
| <b>For further manufacture: miscellaneous Totals</b> |             | <b>3,212</b>          | <b>0</b>               |

### Veterinary Biological Products in Licensed Establishments

| Category  | Doses Produced         | Doses Destroyed      |
|---|------------------------|----------------------|
| <b>Totals for Vaccines</b>  | <b>101,841,876,760</b> | <b>3,408,159,923</b> |
| <b>Totals for Bacterins and bacterial extracts</b>  | <b>1,344,722,889</b>   | <b>82,867,866</b>    |
| <b>Totals for Antibody products</b>   | <b>29,851,609</b>      | <b>199,000</b>       |
| <b>Totals for Vaccines with bacterins/bacterial extracts/toxoids</b>                          | <b>678,725,249</b>     | <b>25,775,847</b>    |
| <b>Totals for Diagnostic products</b>   | <b>85,532,855</b>      | <b>0</b>             |
| <b>Totals for Antitoxins</b>  | <b>6,136,376</b>       | <b>7,650</b>         |
| <b>Totals for Bacterin-toxoids</b>  | <b>240,737,255</b>     | <b>7,546,340</b>     |
| <b>Totals for Toxoids</b>   | <b>28,598,987</b>      | <b>368,310</b>       |
| <b>Totals for Miscellaneous</b>   | <b>27,201,280</b>      | <b>31,200</b>        |
| <b>Totals for For further manufacture: vaccines</b>   | <b>455,226,110</b>     | <b>698,500</b>       |
| <b>Totals for For further manufacture: bacterins and bacterial extracts</b>                   | <b>30,784,173</b>      | <b>0</b>             |
| <b>Totals for For further manufacture: antibody products</b>                                  | <b>3,156,274</b>       | <b>0</b>             |
| <b>Totals for For further manufacture: vaccines with bacterins/bacterial extracts/toxoids</b> | <b>1,378,621</b>       | <b>0</b>             |
| <b>Totals for For further manufacture: diagnostic products</b>                                | <b>4,123,940</b>       | <b>0</b>             |
| <b>Totals for For further manufacture: antitoxins</b>   | <b>25,000</b>          | <b>0</b>             |
| <b>Totals for For further manufacture: bacterin-toxoids</b>                                   | <b>1,469,075</b>       | <b>0</b>             |
| <b>Totals for For further manufacture: toxoids</b>  | <b>3,500,200</b>       | <b>0</b>             |
| <b>Totals for For further manufacture: miscellaneous</b>                                      | <b>3,212</b>           | <b>0</b>             |
| <b>GRAND TOTAL</b>  | <b>104,783,049,866</b> | <b>3,525,654,636</b> |