

National Veterinary Services Laboratories

Reagent Manual

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Anaplasma marginale enzyme-linked immunosorbent assay (ELISA) proficiency test | ANP-CHK | Varies | Varies | Yes | \$394.00 | A panel of serum samples is used to monitor proficiency of laboratory personnel. |
| Anaplasma marginale stabilate, Virginia strain | 141-STB | 4.5 ml | 1 | Yes | \$188.00 | Virginia strain, stabilate is used to initiate infection in donor animals |
| Anaplasma ovis stabilate ovine origin, Idaho strain | 141-SOV | 4.5 ml | 1 | Yes | \$188.00 | Idaho strain - stabilate is used to initiate infection in donor animals |
| Anaplasmosis card test, complement fixation (CF), and competitive enzyme-linked immunoabsorbent assay (cELISA) negative control serum | 146-N | 1.0 ml | 35 | Yes | \$20.00 | Reference control serum for the Anaplasmosis card test, CF, and cELISA |
| Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) high positive control serum | 149-H | 1.0 ml | | Yes | \$66.00 | Reference control serum for the Anaplasmosis cELISA |
| Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) medium positive control serum | 149-M | 1.0 ml | 400 | Yes | \$66.00 | Reference control serum for the Anaplasmosis cELISA |
| Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) negative control serum | 149-N | 1.0 ml | | Yes | \$20.00 | Reference control serum for the Anaplasmosis cELISA |
| Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) positive control serum | 149-L | 2.0 ml | | Yes | \$132.00 | Reference control serum for the Anaplasmosis cELISA |
| Anaplasmosis complement fixation (CF) test positive control serum | 142-M | 1.0 ml | 30 | Yes | \$66.00 | Reference control antiserum for the complement fixation (CF) test |

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| Anaplasmosis complement fixation (CF) test positive control serum | 142-L | 1.0 ml | 30 | Yes | \$66.00 | Reference control antiserum for the complement fixation (CF) test |
| Anaplasmosis complement fixation (CF) test positive control serum | 142-H | 1.0 ml | 30 | Yes | \$66.00 | Reference control antiserum for the complement fixation (CF) test |
| Antimicrobial Susceptibility Proficiency Panel | CHK-AMR | 1.0 g | 10 | Yes | \$189.00 | Proficiency Test for Antimicrobial Susceptibility by broth microdilution method Lyophilized pure cultures of various category B bacterial organisms. |
| Avian adenovirus group I (Quail Bronchitis, chicken embryo lethal orphan) | 002-ADV | 0.6 ml | 1 | Yes | \$33.00 | Cell culture virus propagated in chick embryo kidney cells |
| Avian adenovirus group I agar gel immunodiffusion (AGID) antigen | 303-ADV | 1.0 ml | 60 | Yes | \$33.50 | Use to detect antibodies to avian adenovirus group 1 by the AGID test--must be ordered and used in matched sets (same lot numbers) with antiserum 306-ADV |
| Avian adenovirus group I agar gel immunodiffusion (AGID) antiserum | 306-ADV | 3.0 ml | 60 | Yes | \$79.50 | Use as a positive control serum with avian adenovirus group 1 AGID antigen--must be ordered and used in matched sets (same lot numbers) with antigen 303-ADV |
| Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus) antigen | 012-ADV | 2.0 ml | Varies | Yes | \$67.00 | Use in the hemagglutination-inhibition (HI) test to detect antibodies to adenovirus 127, propagated in duck embryo fibroblast cells (heat-inactivated) |
| Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus) antiserum | 301-ADV | 2.0 ml | Varies | Yes | \$53.00 | Use as a positive control serum in the Adenovirus 127 hemagglutination-inhibition (HI) test, prepared in chickens |
| Avian encephalomyelitis (AE) virus | 020-ADV | 0.6 ml | 1 | Yes | \$33.00 | Embryo-derived virus propagated in chick embryos |
| Avian Influenza (AI) H5 Mexican RNA | 211-ADV | 0.05 ml | | * | \$84.00 | Positive Amplification Control (PAC) for Type A influenza H5 rRT-PCR Assay. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |

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| Avian influenza (AI) H5 transcribed RNA | 202-ADV | 0.05 ml | Varies | * | \$84.00 | Positive control for AIV H5 subtyping RRT-PCR. Transcribed RNA was prepared with PAMP1 plasmid containing the H5 gene of Avian/NY/31588-3/00. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Avian influenza (AI) H7 Eurasian RNA | 210-ADV | 50.0 uL | Varies | * | \$84.00 | Avian Influenza (AI) Eurasian H7 & rRT_PCR Positive Control. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Avian influenza (AI) H7 transcribed RNA | 201-ADV | 0.05 ml | Varies | * | \$84.00 | Positive control for AIV H7 subtyping RRT-PCR. Transcribed RNA was prepared with PAMP1 plasmid containing the H7 gene of CK/NJ/30749-3/00. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Avian influenza (AI) matrix transcribed RNA | 203-ADV | 0.05 ml | Varies | * | \$84.00 | Positive control for AIV matrix RRT-PCR. Transcribed RNA was prepared with PAMP1 plasmid containing the matrix gene of CK/PA/13522-1/98. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Avian influenza (AI) proficiency test (AGID or ELISA) | AI-CHK | N/A | N/A | Yes | \$394.00 | Avian influenza (AI) agar gel immunodiffusion (AGID) or enzyme-linked immunosorbent assay (ELISA) proficiency check test |
| Avian influenza (AI) RRT PCR extraction control | 204-ADV | 1.0 ml | Varies | * | \$33.50 | Extraction control for the AI matrix rRT-PCR assay. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |

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| Avian influenza immunodiffusion (AIID) negative reference serum | 905-ADV | 0.6 ml | 12 | * | \$12.00 | Use as a negative reference serum in the AIID test for program/surveillance testing |
| Avian influenza immunodiffusion (AIID) negative reference serum | 905-EXP | 0.6 ml | 12 | Yes | \$12.00 | Use as a negative reference serum in the AIID test for export purposes |
| Avian influenza immunodiffusion (AIID) strong positive reference serum | 902-ADV | 0.6 ml | 12 | * | \$11.30 | Use as a positive reference serum in the AIID test for program/surveillance testing |
| Avian influenza immunodiffusion (AIID) strong positive reference serum | 902-EXP | 0.6 ml | 12 | Yes | \$11.30 | Use as a positive reference serum in the AIID test for export purposes |
| Avian influenza immunodiffusion (AIID) weak positive reference serum | 903-ADV | 0.6 ml | 12 | * | \$11.30 | Use as a weak positive reference serum in the AIID test for program/surveillance testing |
| Avian influenza immunodiffusion (AIID) weak positive reference serum | 903-EXP | 0.6 ml | 12 | Yes | \$11.30 | Use as a weak positive reference serum in the AIID test for export purposes |
| Avian influenza rRT-PCR extraction control - Qiagen extraction | 206-ADV | 5.0 ml | 10 | * | \$167.50 | Avian influenza rRT-PCR extraction control for use in the Qiagen extraction. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Avian influenza virus immunodiffusion (AIID) antigen | 300 | 2.0 ml | 120 | * | \$36.00 | Use to detect group-specific antibodies to type A influenza viruses--must be ordered and used in matched sets (same lot numbers) with AIID antiserum 305 |
| Avian influenza virus immunodiffusion (AIID) antigen (export version) | 300-EXP | 2.0 ml | 120 | Yes | \$36.00 | Use to detect group-specific antibodies to type A influenza viruses for export purposes--must be ordered and used in matched sets (same lot numbers) with AIID antiserum 305-EXP |
| Avian influenza virus immunodiffusion (AIID) antiserum | 305 | 6.0 ml | 120 | * | \$113.00 | Use as a positive control serum with AIID antigen--must be ordered and used in matched sets (same lot numbers) with AIID antigen 300 |

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| Avian influenza virus immunodiffusion (AIID) antiserum (export version) | 305-EXP | 6.0 ml | 120 | Yes | \$113.00 | Use as a positive control serum with AIID antigen for export purposes--must be ordered and used in matched sets (same lot numbers) with AIID antigen 300-EXP |
| Avian paramyxovirus type 1 rRT-PCR extraction control | 205-ADV | 0.5 ml | Varies | * | \$16.75 | Extraction control for the APMV-1 matrix rRT-PCR assay. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Avian paramyxovirus type 1 rRT-PCR extraction control - Qiagen extraction | 207-ADV | 5.0 ml | 10 | * | \$167.50 | Avian paramyxovirus type-1 rRT-PCR extraction control for use in the Qiagen extraction. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Avian paramyxovirus type 2 antigen | 071-ADV | 2.0 ml | Varies | Yes | \$67.00 | Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (P/Ck/CA/Yucaipa/56 strain) |
| Avian paramyxovirus type 2 antiserum | 471-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against P/Ck/CA/Yucaipa/56 strain |
| Avian paramyxovirus type 2 virus | 171-ADV | 0.6 ml | 1 | Yes | \$33.00 | Virus (P/Ck/CA/Yucaipa/56 strain) propagated in chicken embryos |
| Avian paramyxovirus type 3 antigen | 073-ADV | 2.0 ml | Varies | Yes | \$67.00 | Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (P/Turkey/Wisconsin/68 strain) |
| Avian paramyxovirus type 3 antiserum | 473-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against P/Turkey/Wisconsin/68 strain |
| Avian paramyxovirus type 3 virus | 173-ADV | 0.6 ml | 1 | Yes | \$33.00 | Virus (P/Turkey/Wisconsin/68 strain) propagated in chick embryos |

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| Avian paramyxovirus type 4 antigen | 144-ADV | 2.0 ml | Varies | Yes | \$67.00 | se in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (DK/H.K./D3/75 strain) |
| Avian paramyxovirus type 4 antiserum | 475-ADV | 2.0 ml | N/A | Yes | \$53.00 | Avian paramyxovirus type 4 DK/H.K./D3/75 antiserum |
| Avian paramyxovirus type 6 antigen | 146-ADV | 2.0 ml | Varies | Yes | \$67.00 | Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (DK/H.K./199/75 strain) |
| Avian paramyxovirus type 6 antiserum | 479-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against DK/H.K./199/75 strain |
| Avian paramyxovirus type 7 antigen | 147-ADV | 2.0 ml | Varies | Yes | \$67.00 | Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (Dove/TN/4/75 strain) |
| Avian paramyxovirus type 7 antiserum | 481-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against Dove/TN/4/75 strain |
| Avian paramyxovirus type 8 antigen | 148-ADV | 2.0 ml | N/A | Yes | \$67.00 | APMV-8, Goose/DE/1053/76, beta-propiolactone inactivated |
| Avian paramyxovirus type 8 antiserum | 483-ADV | 2.0 ml | N/A | Yes | \$53.00 | Antiserum, APMV-8, Goose/DE/1053/76 |
| Avian paramyxovirus type 9 antigen | 149-ADV | 2.0 ml | N/A | Yes | \$67.00 | APMV-9, DK/NY/22/78, beta-propiolactone inactivated |
| Avian paramyxovirus type 9 antiserum | 485-ADV | 2.0 ml | N/A | Yes | \$53.00 | Antiserum, APMV-9, DK/NY/22/78 |
| Avian reovirus | 080-ADV | 0.6 ml | 1 | Yes | \$33.00 | Cell culture virus (Fahey-Crawley strain) propagated in chicken embryo kidney cells |
| Avian reovirus antiserum | 380-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against Fahey-Crawley strain |

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| Avian reovirus fluorescent antibody (FA) conjugate | 680-ADV | 1.0 ml | Varies | Yes | \$80.00 | Use to detect avian reovirus antigen in infected cell cultures or tissues by FA techniques (Fahey-Crawley strain) |
| Babesia bigemina complement fixation (CF) test antigen | 200 | 1.0 ml | 30 | Yes | \$590.00 | Antigen is used in the complement fixation (CF) test for detection of antibodies to babesia bigemina |
| Babesia bovis card test antigen | 208-CT | 2.0 ml | 100 | Yes | \$1,180.00 | Antigen is used in the rapid card test for detecting antibodies to babesia bovis |
| Babesia bovis card test weak positive serum | 205-W | 1.0 ml | 40 | Yes | \$139.00 | Weak positive control serum used in the rapid card test for babesia bovis |
| Babesia bovis complement fixation (CF) test antigen, Puerto Rico strain | 208-CF | 1.0 ml | 30 | Yes | \$590.00 | Puerto Rico strain, antigen used in the complement fixation (CF) and immunoblot tests to detect antibodies to babesia bovis |
| Babesia caballi complement fixation (CF) test antigen | 73-CF | 1.0 ml | 40 | Yes | \$590.00 | Antigen used in the complement fixation (CF) test to detect antibodies to babesia caballi |
| Babesia caballi ELISA and western blot positive control sera | 77-ELW | 1.0 ml | | Yes | \$139.00 | Babesia caballi ELISA and western blot positive control sera |
| Babesia caballi positive control serum (high titer) | 77-H | 1.0 ml | 40 | Yes | \$139.00 | High titer positive control serum used in serologic tests to detect antibodies to babesia caballi |
| Babesia caballi positive control serum (low titer) | 77-L | 1.0 ml | 40 | Yes | \$139.00 | Low titer positive control serum used in serologic tests to detect antibodies to babesia caballi |
| Bacteriology Internal Quality Assurance Survey Kit | CHK-CUL | N/A | N/A | Yes | \$189.00 | Internal Bacteriology Quality Assurance Survey |
| Bluetongue antibody negative OIE reference serum | 906-ODV | 2.0 ml | Varies | Yes | \$139.00 | Bovine origin, Enzyme-linked immunosorbent assay (ELISA) control serum (OIE). Agar gel immunodiffusion (AGID) control serum (OIE). Available for international shipments only. |
| Bluetongue check test | BT-CHK | N/A | N/A | Yes | \$394.00 | Bluetongue proficiency check test |

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| Bluetongue modifying factor, bovine or avian normal serum | 69 | 2.0 ml | | Yes | \$40.00 | Use in BT or EHD modified complement fixation test |
| Bluetongue negative serum | 901-ODV | 2.0 ml | | Yes | \$40.00 | Bluetongue negative antiserum |
| Bluetongue virus (OIE) strong positive reference serum (ELISA, AGID) - International orders only | 904-ODV | 2.0 ml | Varies | Yes | \$139.00 | Bovine origin, Enzyme-linked immunosorbent assay (ELISA) control serum (OIE). Agar gel immunodiffusion (AGID) control serum (OIE). Available for international shipments only. |
| Bluetongue virus (OIE) weak positive reference serum (ELISA, AGID) - International orders only | 905-ODV | 2.0 ml | Varies | Yes | \$139.00 | Bovine origin, Enzyme-linked immunosorbent assay (ELISA) control serum (OIE). Agar gel immunodiffusion (AGID) control serum (OIE). Available for international shipments only. |
| Bluetongue virus fluorescent antibody (FA) conjugate | 601-ODV | 1.0 ml | Varies | Yes | \$80.00 | Produced from goat-origin serum |
| Bluetongue virus serotype 10 | 001-ODV | 0.6 ml | Varies | Yes | \$33.00 | For virus production and VN assays; North American strain |
| Bluetongue virus serotype 10 antiserum | 301-ODV | 2.0 ml | Varies | Yes | \$139.00 | For positive control for VN, ELISA, AGID controls -- bovine origin |
| Bluetongue virus serotype 11 | 002-ODV | 0.6 ml | Varies | Yes | \$33.00 | For virus production and VN assays; North American strain |
| Bluetongue virus serotype 11 antiserum | 302-ODV | 2.0 ml | Varies | Yes | \$139.00 | For positive control for VN, ELISA, AGID controls -- bovine origin |
| Bluetongue virus serotype 13 | 003-ODV | 0.6 ml | Varies | Yes | \$33.00 | For virus production and VN assays; North American strain |
| Bluetongue virus serotype 13 antiserum | 303-ODV | 2.0 ml | Varies | Yes | \$139.00 | For positive control for VN, ELISA, AGID controls -- bovine origin |
| Bluetongue virus serotype 17 | 004-ODV | 0.6 ml | Varies | Yes | \$33.00 | For virus production and VN assays; North American strain |

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| Bluetongue virus serotype 17 antiserum | 304-ODV | 2.0 ml | Varies | Yes | \$139.00 | For positive control for VN, ELISA, AGID controls -- bovine origin |
| Bluetongue virus serotype 2 | 005-ODV | 0.6 ml | Varies | Yes | \$33.00 | For virus production and VN assays; North American strain |
| Bluetongue virus serotype 2 antiserum | 305-ODV | 2.0 ml | Varies | Yes | \$139.00 | For positive control for VN, ELISA, AGID controls -- bovine origin |
| Bluetongue virus strong positive reference serum | 902-ODV | 2.0 ml | Varies | Yes | \$27.00 | Agar gel immunodiffusion control serum--bovine origin |
| Bluetongue virus weak positive reference serum | 903-ODV | 2.0 ml | Varies | Yes | \$27.00 | Agar gel immunodiffusion control serum--bovine origin |
| Bovine adenovirus type A | 001-BDV | 0.6 ml | 1 | Yes | \$33.00 | f/k/a Bovine Adenovirus Type 1, Strain #10--ATCC VR-313 |
| Bovine adenovirus type A antiserum | 301-BDV | 2.0 ml | Varies | Yes | \$139.00 | f/k/a Bovine Adenovirus Type 1 antiserum, gnotobiotic calf serum |
| Bovine adenovirus type D | 005-BDV | 0.6 ml | 1 | Yes | \$33.00 | f/k/a Bovine adenovirus type 5, Strain B4/65--ATCC VR-641 |
| Bovine adenovirus type D antiserum | 305-BDV | 2.0 ml | Varies | Yes | \$139.00 | f/k/a Bovine Adenovirus Type 5 antiserum, gnotobiotic calf serum |
| Bovine babesia complement fixation (CF) test negative serum | 202-N | 1.0 ml | 40 | Yes | \$20.00 | Negative control serum used in the CF test to detect antibodies to babesia bovis and babesia bigemina |
| Bovine coronavirus | 020-BDV | 0.6 ml | 1 | Yes | \$33.00 | Nebraska strain |
| Bovine coronavirus fluorescent antibody conjugate | 620-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine enterovirus -1 | 030-BDV | 0.6 ml | Varies | Yes | \$33.00 | Strain LCR 4 ATCC VR-248 |
| Bovine enterovirus -1 antiserum | 330-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |

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| Bovine enterovirus -2 | 031-BDV | 0.6 ml | Varies | Yes | \$33.00 | Strain M2 ATCC VR-754 |
| Bovine enterovirus -2 antiserum | 331-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine enterovirus -3 | 032-BDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 89 ATCC VR-755 |
| Bovine enterovirus -3 antiserum | 332-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine enterovirus -4 | 033-BDV | 0.6 ml | Varies | Yes | \$33.00 | Strain M4 ATCC VR-756 |
| Bovine enterovirus -4 antiserum | 333-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine enterovirus -5 | 034-BDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 83 ATCC VR-757 |
| Bovine enterovirus -5 antiserum | 334-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine enterovirus -6 | 035-BDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 42 ATCC VR-758 |
| Bovine enterovirus -6 antiserum | 335-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine enterovirus -7 | 036-BDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 87 ATCC VR-774 |
| Bovine enterovirus -7 antiserum | 336-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine enterovirus antiserum 1-7 | 337-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source, antiserum pool for virus identification |
| Bovine herpesvirus (BHV) 1 virus neutralization (VN) positive control serum | 355-BDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for BHV-1 (infectious bovine rhinotracheitis) VN test (diluted) |
| Bovine herpesvirus 1 | 050-BDV | 0.6 ml | 1 | Yes | \$33.00 | Colorado strain (infectious bovine rhinotracheitis) |
| Bovine herpesvirus 1 antiserum | 350-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine herpesvirus 1 fluorescent antibody conjugate | 650-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine herpesvirus 2 | 051-BDV | 0.6 ml | 1 | Yes | \$33.00 | New York strain--herpes mammallitis |
| Bovine herpesvirus 2 antiserum | 351-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |

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| Bovine herpesvirus 2 fluorescent antibody conjugate | 651-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine herpesvirus 2 virus neutralization (VN) positive control serum | 356-BDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for BHV-2 (bovine herpes mammallitis) VN test (diluted) |
| Bovine herpesvirus 4 | 052-BDV | 0.6 ml | 1 | Yes | \$33.00 | DN-599--ATCC VR-631 |
| Bovine herpesvirus 4 antiserum | 352-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine herpesvirus 4 fluorescent antibody conjugate | 652-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine leukosis proficiency check test | BLV-CHK | N/A | N/A | Yes | \$394.00 | Bovine leukosis proficiency check test |
| Bovine leukosis virus strong positive serum | 902-BDV | 2.0 ml | Varies | Yes | \$27.00 | Bovine origin--agar gel immunodiffusion control |
| Bovine leukosis virus weak positive serum | 903-BDV | 2.0 ml | Varies | Yes | \$27.00 | Bovine origin--agar gel immunodiffusion control |
| Bovine negative complement fixation (CF) test antigen | 204 | 1.0 ml | 40 | Yes | \$293.00 | Blood-derived antigen from noninfected cattle, used as a negative control antigen in the complement fixation (CF) test for detecting antibodies to bovine babesia species |
| Bovine papular stomatitis virus | 080-BDV | 0.6 ml | 1 | Yes | \$33.00 | Field isolate--Texas A&M, 1976 |
| Bovine papular stomatitis virus antiserum | 380-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine papular stomatitis virus fluorescent antibody conjugate | 680-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine parvovirus | 090-BDV | 0.6 ml | 1 | Yes | \$33.00 | Washington strain |
| Bovine parvovirus antiserum | 390-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |

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| Bovine parvovirus fluorescent antibody conjugate | 690-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine respiratory syncytial virus | 110-BDV | 0.6 ml | 1 | Yes | \$33.00 | Strain A51908--ATCC VR-794 |
| Bovine respiratory syncytial virus (BRSV) virus neutralization (VN) positive control serum | 415-BDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for the BRSV VN test (diluted) |
| Bovine respiratory syncytial virus antiserum | 410-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine respiratory syncytial virus fluorescent antibody conjugate | 710-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine rotavirus | 130-BDV | 0.6 ml | 1 | Yes | \$33.00 | Nebraska strain |
| Bovine rotavirus antiserum | 430-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Bovine rotavirus fluorescent antibody conjugate | 730-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Bovine viral diarrhea (BVD) fluorescent antibody (FA) conjugate | 243-FA | 1.0 ml | Varies | Yes | \$80.00 | Bovine origin, use in the BVD FA test to identify cytopathic and noncytopathic strains of BVD virus in infected cell cultures |
| Bovine viral diarrhea (BVD) fluorescent antibody (FA) conjugate | 244-FA | 1.0 ml | Varies | Yes | \$80.00 | Porcine origin, use in the BVD FA test to identify cytopathic and noncytopathic strains of BVD virus in infected cell cultures |
| Bovine viral diarrhea (BVD) type 1 virus neutralization (VN) positive control serum | 455-BDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for BVD type 1 VN test (diluted) |
| Bovine viral diarrhea (BVD) type 2 virus neutralization (VN) positive control serum | 546-BDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for BVD type 2 VN test (diluted) |
| Bovine viral diarrhea virus (125 strain) | 145-BDV | 0.6 ml | 1 | Yes | \$33.00 | Strain 125--genotype 2--cytopathic |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Bovine viral diarrhea virus (Draper strain) | 141-BDV | 0.6 ml | 1 | Yes | \$33.00 | Draper strain type 1a--noncytopathic |
| Bovine viral diarrhea virus (NADL strain) | 143-BDV | 0.6 ml | 1 | Yes | \$33.00 | NADL strain type 1a--cytopathic |
| Bovine viral diarrhea virus (New York -1) | 142-BDV | 0.6 ml | 1 | Yes | \$33.00 | New York-1 strain type 1b--noncytopathic |
| Bovine viral diarrhea virus (Oregon strain) | 144-BDV | 0.6 ml | 1 | Yes | \$33.00 | Oregon C24v strain type 1a--cytopathic |
| Bovine viral diarrhea virus (Singer strain) | 140-BDV | 0.6 ml | 1 | Yes | \$33.00 | Singer strain type 1a--cytopathic |
| Bovine viral diarrhea virus antiserum | 440-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source--multivalent |
| Bovine viral diarrhea virus antiserum | 445-BDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source--multivalent |
| Brucella abortus control serum | 12- | 1.0 ml | | Yes | \$66.00 | Control used for Brucellosis serological tests. See www.aphis.usda.gov/animal_health/lab_info_services/downloads/BrucellaAbortusControlSerum.pdf for a current list of positive and negative control samples. |
| Brucella abortus control serum - Brucella abortus complement fixation (CF) high positive control serum | 12H-CDC | 2.0 ml | Varies | Yes | \$132.00 | Serum is used in the Brucella abortus complement fixation (CF) test to monitor the functioning of test systems. For use by the Centers for Disease Control. |
| Brucella abortus control serum - Brucella abortus complement fixation (CF) high positive control serum | 12-H | 2.0 ml | Varies | * | \$132.00 | Serum is used in the Brucella abortus complement fixation (CF) test to monitor the functioning of test systems |
| Brucella abortus control serum - Brucella abortus complement fixation (CF) low positive control serum | 12L-CDC | 2.0 ml | Varies | Yes | \$132.00 | Serum is used in the Brucella abortus complement fixation (CF) test to monitor the functioning of test systems. For use by the Centers for Disease Control. |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Brucella abortus control serum - Brucella abortus complement fixation (CF) low positive control serum | 12-L | 2.0 ml | Varies | * | \$132.00 | Serum is used in the Brucella abortus complement fixation (CF) test to monitor the functioning of test systems |
| Brucella abortus control serum - Brucella abortus complement fixation (CF) negative control serum | 12N-CDC | 2.0 ml | Varies | Yes | \$40.00 | Serum is used in the Brucella abortus complement fixation (CF) test to monitor the functioning of test systems. For use by the Centers for Disease Control. |
| Brucella abortus control serum - Brucella abortus complement fixation (CF) negative control serum | 12-N | 2.0 ml | Varies | * | \$40.00 | Serum is used in the Brucella abortus complement fixation (CF) test to monitor the functioning of test systems |
| Brucella abortus FPA control serum | 612-IHC | 1.0 ml | N/A | Yes | \$66.00 | Brucella abortus FPA in-house control serum |
| Brucella abortus RB51 | 19 | N/A | N/A | Yes | \$249.00 | Culture used for the production of Brucella abortus RB51 vaccine |
| Brucella antigen - Brucella abortus card and rapid automated presumptive(RAP) test antigen, buffered Brucella antigen(BBA), or Rose Bengal(RB) antigen | 10-S | 60.0 ml | 2000 | * | \$165.00 | Antigen is also used in the rapid automated presumptive (RAP) test and card test |
| Brucella antigen - Brucella abortus card test antigen, buffered Brucella antigen--(BBA), or Rose Bengal (RB) antigen | 150-AMP | 18.0 ml | 500 | * | \$49.50 | Antigen is used with the brucellosis card test kit (150-KIT) |
| Brucella antigen - Brucella abortus complement fixation (CF) test antigen and standard tube test (STT) antigen | 3 | 60.0 ml | 1500 | * | \$165.00 | Antigen used for the Brucella standard tube test (STT) and complement fixation (CF) test |
| Brucella antigen - Brucella abortus ring test antigen (BRT) | 5-30 | 30.0 ml | 250 | * | \$131.50 | Antigen used in the Brucellosis milk ring test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Brucella antigen - Brucella abortus ring test antigen (BRT) (HIRT) | 5 | 60.0 ml | 500 | * | \$263.00 | Antigen used in the Brucellosis milk ring test |
| Brucella antigen - Brucella abortus rivanol plate antigen | 6 | 60.0 ml | 500 | * | \$165.00 | Antigen used in the Brucella rivanol plate agglutination test. Rivanol solution is also needed to perform the test. |
| Brucella antigen - Brucella abortus rivanol solution | 7 | 60.0 ml | 150 | * | \$32.00 | Used in the Brucella rivanol plate agglutination test. Three bottles of rivanol solution are needed for each bottle of rivanol antigen. |
| Brucella antigen - Brucella abortus standard plate antigen (SPT) | 1 | 60.0 ml | 500 | * | \$165.00 | Antigen used in the standard plate test (SPT) |
| Brucella antigen - Brucella abortus tube antigen | 3-CDC | 3.0 ml | | Yes | \$8.25 | Antigen is also used for the Brucella tube test complement fixation (CF) test. For use by the Centers for Disease Control. |
| Brucella antigen - Brucella canis 2-ME tube agglutination antigen | 17 | 25.0 ml | 500 | Yes | \$124.00 | Antigen used for the Brucella canis 2-Mercaptoethanol (ME) tube agglutination test |
| Brucella antigen - Brucella ovis enzyme-linked immunosorbent assay (ELISA) antigen and complement fixation (CF) antigen | 9-ELA | 2.0 ml | Varies | Yes | \$64.00 | Antigen used in the Brucella ovis enzyme-linked immunosorbent assay (ELISA) and the complement fixation (CF) test |
| Brucella antigen - Brucellosis card test kit without antigen | 150-KIT | 500 | 500 | * | \$119.00 | Kit contains cards, capillary tubes, stirrers, & antigen droppers, use 150-KIT with card test antigen (150-AMP). Only small quantities for research & investigational studies are shipped from the NVSL. Eradication program needs are met through warehouse requests. |
| Brucella antigen - buffered Brucella antigen | 10-G | 60.0 ml | 2000 | * | \$165.00 | 3% cell concentration for testing small ruminants on the brucella card test |
| Brucella antigen - buffered Brucella antigen | 10-G10 | 10.0 ml | 330 | * | \$27.50 | Buffered Brucella (BBA) and rapid automated presumptive (RAP) antigen - 3% cell concentration for testing small ruminants on the brucella card test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|---|
| Brucella antigen - buffered Brucella plate antigen (BAPA test) | 2 | 60.0 ml | 200 | * | \$188.00 | Antigen used in the buffered Brucella acidified plate antigen (BAPA test) |
| Brucella control serum - Brucella abortus rapid automated presumptive (RAP) negative control serum | 612-RN | 5.0 ml | 250 | * | \$100.00 | Serum is used in the Brucella abortus rapid automated presumptive (RAP) test to monitor the functioning of test systems |
| Brucella control serum - Brucella abortus rapid automated presumptive (RAP) negative control serum | 612-RN2 | 2.0 ml | 100 | * | \$40.00 | Serum is used in the Brucella abortus rapid automated presumptive (RAP) test to monitor the functioning of test systems |
| Brucella control serum - Brucella abortus rapid automated presumptive (RAP) test positive control serum | 612-RP2 | 2.0 ml | 100 | * | \$132.00 | Serum is used in the Brucella abortus rapid automated presumptive (RAP) test to monitor the functioning of test systems |
| Brucella control serum - Brucella abortus rapid automated presumptive (RAP) test positive control serum | 612-RP | 5.0 ml | 250 | * | \$330.00 | Serum is used in the Brucella abortus rapid automated presumptive (RAP) test to monitor the functioning of test systems |
| Brucella control serum - Brucella canis high titer positive control serum | 212-H | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Brucella canis 2-ME tube agglutination test to monitor the functioning of the test system |
| Brucella control serum - Brucella canis negative control serum | 212-N | 1.0 ml | Varies | Yes | \$20.00 | Serum is used in the Brucella canis 2-ME tube agglutination test to monitor the functioning of the test system |
| Brucella control serum - Brucella monospecific antiserum (A) | 312-A | 1.0 ml | Varies | Yes | \$56.00 | Serum is used in the identification and biotyping of Brucella species |
| Brucella control serum - Brucella monospecific antiserum (A) | 312-A5 | 5.0 ml | Varies | Yes | \$280.00 | Serum is used in the identification and biotyping of Brucella species. Contact lab for pricing. |
| Brucella control serum - Brucella monospecific antiserum (M) | 312-M5 | 5.0 ml | Varies | Yes | \$280.00 | Serum is used in the identification and biotyping of Brucella species. Contact lab for pricing. |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Brucella control serum - Brucella monospecific antiserum (M) | 312-M | 1.0 ml | Varies | Yes | \$56.00 | Serum is used in the identification and biotyping of Brucella species |
| Brucella control serum - Brucella ovis enzyme-linked immunosorbent assay (ELISA) high positive control serum | 9-HP | 1.0 ml | Varies | Yes | \$66.00 | Serum is used as a high positive control in the Brucella ovis enzyme-linked immunosorbent assay (ELISA) test to monitor the functioning of the test system |
| Brucella control serum - Brucella ovis enzyme-linked immunosorbent assay (ELISA) low positive control | 9-LP | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Brucella ovis enzyme-linked immunosorbent assay (ELISA) to monitor the functioning of test systems |
| Brucella control serum - Brucella ovis enzyme-linked immunosorbent assay (ELISA) negative control serum | 9-N | 1.0 ml | Varies | Yes | \$20.00 | Serum is used as a negative control in the Brucella ovis enzyme-linked immunosorbent assay (ELISA) test to monitor the functioning of the test system |
| Brucella control serum - Brucella ovis hill's complement fixation (CF) high positive control serum | 412-H | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Brucella ovis complement fixation (CF) test to monitor the functioning of test systems. |
| Brucella control serum - Brucella ovis hill's complement fixation (CF) low positive control serum | 412-L | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Brucella ovis complement fixation (CF) test to monitor the functioning of test systems (4+10). |
| Brucella control serum - Brucella ovis hill's complement fixation (CF) medium positive control serum | 412-M | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Brucella ovis complement fixation (CF) test to monitor the functioning of test systems (4 + 20). |
| Brucella control serum - Brucella ovis hill's complement fixation (CF) negative control serum | 412-N | 1.0 ml | 250 | Yes | \$20.00 | Serum is used in the Brucella ovis complement fixation (CF) test to monitor the functioning of test systems. |
| Brucella control serum - Brucella suis positive control serum | 712 | 1.0 ml | Varies | Yes | \$66.00 | Serum is used to monitor the functioning of test systems when using Brucella abortus serologic tests to diagnose swine brucellosis. |
| Brucella control serum - Brucella suis, negative control serum | 712-N | 1.0 ml | Varies | Yes | \$20.00 | Swine brucellosis negative control serum |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Brucella culture - Brucella abortus strain 1119-3 original seed | 16 | 1.0 ml | N/A | Yes | \$249.00 | Culture used for the production of Brucella abortus antigens |
| Brucella culture - Brucella abortus strain 19 original seed | 15 | 1.0 ml | N/A | Yes | \$249.00 | Culture used for the production of Brucella abortus strain 19 vaccine |
| Brucella isolate - select agent - multiple species available | BRU-SA | 1.0 ml | N/A | Yes | \$249.00 | Brucella isolates, various species available. Sent as live cultures in glycerol. Call (515) 337-7388 for availability. Must be registered for select agents. |
| Brucella isolate non select agent - multiple species available | BRU-NS | 1.0 ml | N/A | Yes | \$249.00 | Brucella isolates, various species available. Sent as live cultures in glycerol. Call (515) 337-7388 for availability |
| Brucella killed cells suspended in saline or phenol saline | 18 | 5.0 ml | N/A | Yes | \$20.00 | B. abortus Strain 1119-3, Brucella killed cells suspended in saline or phenol saline |
| Brucella phage Fi | BP-FI | 1.0 ml | N/A | Yes | \$249.00 | Host strain = B. abortus strain 19 |
| Brucella phage R/C | BP-RC | 1.0 ml | N/A | Yes | \$249.00 | Host strain = B. canis strain RM6/66 |
| Brucella phage tbilisi | BP-TB | 1.0 ml | N/A | Yes | \$249.00 | Also known as TB, host strains = B. abortus strains 544 and 19, ATCC 23448-B1 |
| Brucella phage Wb | BP-WB | 1.0 ml | N/A | Yes | \$249.00 | Host strains = B. abortus strain 19 and B. suis strain 1330 |
| Brucella proficiency test - Brucella abortus check test serum | 512 | Varies | Varies | * | \$394.00 | A panel of serum samples is used to monitor proficiency of laboratory personnel conducting serologic tests. Check tests are only distributed for official proficiency test purposes. |
| Brucella species cells, non-viable | BRU-NV | Varies | N/A | Yes | \$112.00 | Brucella species cells, non-viable. Various species available. Call (515) 337-7388 for availability |
| Brucella species DNA | BRU-DNA | Varies | N/A | Yes | \$140.00 | Brucella species DNA. Various species available. Call (515) 337-7388 for availability |
| Brucellosis card test replacement cards | 150-CRD | 50/package | 500 | * | \$33.00 | Replacement cards |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Cache valley antiserum | 383-ODV | 2.0 ml | | Yes | \$139.00 | For use in Virus Neutralization (VN) testing |
| Calici-1 antiserum strain 1 | 301-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-1 San Miguel sea lion virus type 1 virus neutralization (VN) positive control serum |
| Calici-1 San Miguel sea lion virus type 1 | 001-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 1 |
| Calici-13 antiserum strain 13 | 313-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-13 San Miguel sea lion virus type 13 virus neutralization (VN) positive control serum |
| Calici-13 San Miguel sea lion virus type 13 | 013-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 13 |
| Calici-14 antiserum strain 14 | 314-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-14 San Miguel sea lion virus type 14 virus neutralization (VN) positive control serum |
| Calici-14 San Miguel sea lion virus type 14 | 014-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 14 |
| Calici-2 antiserum strain 2 | 302-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-2 San Miguel sea lion virus type 2 virus neutralization (VN) positive control serum |
| Calici-2 San Miguel sea lion virus type 2 | 002-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 2 |
| Calici-4 antiserum strain 4 | 304-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-4 San Miguel sea lion virus type 4 virus neutralization (VN) positive control serum |
| Calici-4 San Miguel sea lion virus type 4 | 004-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 4 |
| Calici-5 antiserum strain 5 | 305-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-5 San Miguel sea lion virus type 5 virus neutralization (VN) positive control serum |
| Calici-5 San Miguel sea lion virus type 5 | 005-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 5 |
| Calici-6 antiserum strain 6 | 306-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-6 San Miguel sea lion virus type 6 virus neutralization (VN) positive control serum |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Calici-6 San Miguel sea lion virus type 6 | 006-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 6 |
| Calici-7 antiserum strain 7 | 307-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-7 San Miguel sea lion virus type 7 virus neutralization (VN) positive control serum |
| Calici-7 San Miguel sea lion virus type 7 | 007-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 7 |
| Calici-8 antiserum strain 8 | 308-CDV | 2.0 ml | Varies | Yes | \$27.00 | Calici-8 San Miguel sea lion virus type 8 virus neutralization (VN) positive control serum |
| Calici-8 San Miguel sea lion virus type 8 | 008-CDV | 0.6 ml | 1 | Yes | \$33.00 | San Miguel sea lion virus type 8 |
| Canine influenza virus H3N2 | 004-IDV | 0.6 ml | N/A | Yes | \$197.00 | A/canine/Illinois/12191/2015(H3N2) |
| Cell line - Bovine turbinate primary cells | 016-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Dog kidney primary (DKP) | 005-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Embryonic bovine kidney primary (EBK) | 008-TDV | 3.0 ml | N/A | Yes | \$165.00 | Low passage from primary |
| Cell line - Embryonic bovine lung primary (EBL) | 002-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Embryonic equine kidney primary (EEK) | 014-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Equine dermis primary (EQDER) | 003-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Hamster kidney (BHK) | 001-TDV | 3.0 ml | N/A | Yes | \$165.00 | Baby hamster kidney (BHK) cell line |
| Cell line - Kitten kidney primary (KKP) | 010-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Marek's derived spleen b-lymphoblastoid (MSB-1) | 017-TDV | 3.0 ml | N/A | Yes | \$165.00 | |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|---|
| Cell line - McCoy's (mouse synovial) | 011-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Porcine kidney (PK-15) | 006-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Rabbit kidney, clone 13 - BVD free | 004-TDV | 3.0 ml | N/A | Yes | \$165.00 | RK-13B, BVD free cells 1 frozen ampule at a time |
| Cell line - SV-40 Hamster kidney (SV40) | 012-TDV | 3.0 ml | N/A | Yes | \$165.00 | SV-40 virus transformed hamster kidney (SV40) |
| Cell line - Swine kidney primary (SKP) | 013-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Cell line - Swine/Porcine testicle | 007-TDV | 3.0 ml | N/A | Yes | \$165.00 | |
| Chlamydia complement fixation (CF) antigen (cell culture) | 005-RDV | 1.0 ml | Varies | Yes | \$55.00 | Positive chlamydia CF antigen - cell culture derived (inactivated) |
| Chlamydia psittaci antiserum | 301-RDV | 2.0 ml | Varies | Yes | \$139.00 | |
| Chlamydia psittaci fluorescent antibody (FA) conjugate | 601-RDV | 1.0 ml | Varies | Yes | \$80.00 | Use to detect Chlamydia psittaci in infected cells by FA techniques |
| Chlamydia spp. modifying factor for complement fixation test | 302-RDV | 1.0 ml | Varies | Yes | \$20.00 | Normal chicken serum |
| Chlamydophila psittaci (cell culture) agent | 002-RDV | 0.3 ml | 1 | Yes | \$33.00 | Use as a positive control for the isolation of Chlamydia psittaci in cell culture |
| Chlamydophila psittaci normal antigen for complement fixation test | 004-RDV | 1.0 ml | Varies | Yes | \$55.00 | Normal cell culture antigen |
| Chronic wasting disease immunohistochemistry control block | CWS-CB | | | * | \$0.00 | Positive scrapie brain and lymph tissue and Not Detected brain in a paraffin block used for IHC CWD controls includes a stained slide |
| Contagious ecthyma virus antiserum | 330-ODV | 2.0 ml | Varies | Yes | \$139.00 | Sheep origin--complement fixation titer 1:40 |
| Contagious ecthyma virus fluorescent antibody conjugate | 630-ODV | 1.0 ml | 150 | Yes | \$80.00 | Prepared from ovine-origin antiserum |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Contagious equine metritis (CEM) Amies transport medium with charcoal | CEM-001 | 1 swab | 1 | Yes | \$1.25 | For transportation of equine swabs to NVSL for CEM culture. Must be refrigerated during shipment. |
| Contagious equine metritis (CEM) high titer control serum | 79-H | 5.0 ml | N/A | Yes | \$330.00 | CEM high positive control serum |
| Contagious equine metritis (CEM) plates - Eugon Agar w/10% chocolate horse blood | CEM-332 | 1 plate | 1 | Yes | \$3.50 | Plates used to isolate CEM (Taylorella equigenitalis). Contact laboratory with all RUSH orders (515) 337-7565. |
| Contagious equine metritis (CEM) plates - Selective inhibitors/modified Timoney Shin | CEM-331 | 1 plate | 1 | Yes | \$3.50 | Plates used to isolate CEM (Taylorella equigenitalis). Contact laboratory with all RUSH orders (515) 337-7565. |
| Contagious equine metritis (CEM) proficiency test panel | CEM-CHK | N/A | N/A | Yes | \$189.00 | Proficiency test for Contagious Equine Metritis (CEM). Conducted yearly, contact laboratory at (515) 337-7565. |
| Contagious equine metritis (CEM) small tipped swabs - includes Amies transport media | CEM-002 | 1 swab | 1 | Yes | \$1.25 | For transportation of equine swabs to NVSL for CEM culture. Inoculated swabs must be refrigerated during shipment. |
| Contagious equine metritis (CEM) uterine swab - includes Amies transport media | CEM-003 | 1 swab | 1 | Yes | \$4.75 | For transportation of equine swabs to NVSL for CEM culture. Inoculated swabs must be refrigerated during shipment. |
| Dourine (Trypanosoma equiperdum) complement fixation test (CF) antigen | 160 | 1.0 ml | 50 | Yes | \$97.00 | Antigen is used in the complement fixation (CF) test for detection of antibodies to Trypanosoma equiperdum. |
| Dourine low positive control serum | 161-L | 1.0 ml | 40 | Yes | \$139.00 | Low titer positive control serum (titer to 1:20) used in serologic tests to detect antibodies to Trypanosoma equiperdum |
| Dourine positive control serum | 161-H | 1.0 ml | 40 | Yes | \$139.00 | High titer positive control serum used in serologic tests to detect antibodies to Trypanosoma equiperdum |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Duck viral enteritis (DVE) antiserum | 331-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in Muscovy ducks against Holland B vaccine strain |
| Duck viral enteritis (DVE) fluorescent antibody (FA) conjugate | 631-ADV | 1.0 ml | Varies | Yes | \$80.00 | Use to detect DVE viral antigen in infected cells or tissues by FA techniques (Holland B vaccine strain) |
| Duck viral enteritis (DVE) virus vaccine strain | 031-ADV | 0.6 ml | 1 | Yes | \$33.00 | Cell culture virus propagated in duck embryo fibroblast cells |
| Encephalomyocarditis (EMC) virus neutralization (VN) positive control serum | 315-MDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for EMC VN test (diluted) |
| Encephalomyocarditis virus (EMC) | 001-MDV | 0.6 ml | 1 | Yes | \$33.00 | Florida strain, challenge virus for the EMC virus neutralization test |
| Encephalomyocarditis virus (Hawaii field isolate) | 003-MDV | 0.6 ml | 1 | Yes | \$33.00 | Field isolate from Hawaii--1988 |
| Encephalomyocarditis virus (Puerto Rico isolate) | 002-MDV | 0.6 ml | 1 | Yes | \$33.00 | Field isolate from Puerto Rico--1990 |
| Encephalomyocarditis virus antiserum | 301-MDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Encephalomyocarditis virus fluorescent antibody conjugate | 601-MDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |
| Eperythrozoon wenyoni agar gel immunodiffusion (AGID) enhancement serum | 402-M | 1.0 ml | 30 | Yes | \$590.00 | Enhancement serum for use in the agar gel immunodiffusion (AGID) test for Eperythrozoon wenyoni detection |
| Eperythrozoon wenyoni complement fixation (CF) test antigen | 400-CF | 2.0 ml | 20 | Yes | \$1,180.00 | Antigen used in the complement fixation (CF) test to detect antibodies to Eperythrozoon wenyoni |
| Eperythrozoon wenyoni complement fixation (CF) test high titer serum | 402-H | 1.0 ml | 40 | Yes | \$139.00 | High titer positive control used in serologic tests to detect antibodies to Eperythrozoon wenyoni |
| Eperythrozoon wenyoni complement fixation (CF) test low titer serum | 402-L | 1.0 ml | 40 | Yes | \$139.00 | Low titer positive control used in serologic tests to detect antibodies to Eperythrozoon wenyoni |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Epizootic hemorrhagic disease virus | 040-ODV | 0.6 ml | Varies | Yes | \$33.00 | Type 1--New Jersey |
| Epizootic hemorrhagic disease virus | 041-ODV | 0.6 ml | Varies | Yes | \$33.00 | Type 2--Alberta |
| Epizootic hemorrhagic disease virus antiserum | 341-ODV | 2.0 ml | Varies | Yes | \$139.00 | Type 2 specific--bovine origin |
| Epizootic hemorrhagic disease virus antiserum | 340-ODV | 2.0 ml | Varies | Yes | \$139.00 | Type 1 specific--bovine origin |
| Epizootic hemorrhagic disease virus fluorescent antibody conjugate | 640-ODV | 1.0 ml | Varies | Yes | \$80.00 | Produced from goat-origin antiserum, for use on cell cultures or tissue sections |
| Equine adenovirus | 001-EDV | 0.6 ml | 1 | Yes | \$33.00 | Horse cell culture for production of stock virus |
| Equine adenovirus fluorescent antibody conjugate | 601-EDV | 1.0 ml | Varies | Yes | \$80.00 | For use on cell cultures or tissue sections |
| Equine herpesvirus (EHV) 1 antiserum | 340-EDV | 2.0 ml | Varies | Yes | \$49.00 | Positive control for virus neutralization test |
| Equine herpesvirus (EHV) 1 fluorescent antibody conjugate | 640-EDV | 1.0 ml | Varies | Yes | \$80.00 | For use on cell cultures or tissue sections |
| Equine herpesvirus (EHV) 1 virus, wild-type | 045-EDV | 0.6 ml | Varies | Yes | \$33.00 | Equine herpesvirus 1, wild-type (ORF30A); for PCR control |
| Equine herpesvirus (EHV) 2 antiserum | 341-EDV | 2.0 ml | Varies | Yes | \$49.00 | Positive control for virus neutralization (VN) test |
| Equine herpesvirus (EHV) 3 antiserum | 342-EDV | 2.0 ml | Varies | Yes | \$49.00 | Positive control for virus neutralization (VN) test |
| Equine herpesvirus (EHV) 4 virus, respiratory herpesvirus, equine origin cell culture | 044-EDV | 0.6 ml | N/A | Yes | \$33.00 | For production of stock virus |
| Equine herpesvirus (EHV) negative control serum | 343-EDV | 2.0 ml | Varies | Yes | \$40.00 | Negative control for the EH virus neutralization (VN) test for types 1 and 3 |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Equine infectious anemia (EIA) check test | EIA-CHK | N/A | N/A | Yes | \$394.00 | Proficiency test for equine infectious anemia certification |
| Equine infectious anemia (EIA) negative serum | 905-EDV | 2.0 ml | Varies | Yes | \$40.00 | Control for the agar gel immunodiffusion (AGID) test |
| Equine infectious anemia (EIA) strong positive serum | 902-EDV | 2.0 ml | Varies | Yes | \$49.00 | Control for the agar gel immunodiffusion (AGID) test |
| Equine infectious anemia (EIA) weak positive serum | 903-EDV | 2.0 ml | Varies | Yes | \$49.00 | Control for the agar gel immunodiffusion (AGID) test |
| Equine influenza antigen type 1 A/Equine/Prague/56 | 121-IDV | 2.0 ml | Varies | Yes | \$28.00 | Antigen for type A1 equine influenza. Produced in specific pathogen free eggs. |
| Equine influenza antigen type 2 Miami strain A/EQ/Miami/1/63 | 160-IDV | 2.0 ml | Varies | Yes | \$28.00 | Inactivated virus for the hemagglutination-inhibition test. Antigen for type A2 equine influenza. Produced in specific pathogen free eggs. |
| Equine influenza virus A-1 Prague | 021-IDV | 0.6 ml | Varies | Yes | \$33.00 | A-1 Prague/56 seed virus, egg origin |
| Equine influenza virus A-2 Alaska | 020-IDV | 0.6 ml | Varies | Yes | \$33.00 | A-2 Alaska/91 seed virus, egg origin |
| Equine influenza virus A-2 Kentucky | 040-IDV | 0.6 ml | Varies | Yes | \$33.00 | A-2 Kentucky/81 seed virus |
| Equine influenza virus A-2 Miami | 060-IDV | 0.6 ml | Varies | Yes | \$33.00 | A-2 Miami/63 seed virus |
| Equine influenza virus antiserum A-1 Prague | 321-IDV | 2.0 ml | Varies | Yes | \$53.00 | A-1 Prague, positive control for hemagglutination-inhibition test |
| Equine influenza virus antiserum A-2 Kentucky | 340-IDV | 2.0 ml | Varies | Yes | \$53.00 | A-2 Kentucky, positive control for hemagglutination-inhibition test |
| Equine influenza virus antiserum A-2 Miami | 360-IDV | 2.0 ml | Varies | Yes | \$53.00 | A-2 Miami, positive control for hemagglutination-inhibition test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Equine negative serum - piroplasmosis, dourine, and glanders | 76-N | 1.0 ml | 40 | Yes | \$20.00 | Equine serum negative for antibodies to B. equi, B. caballi, T. equiperdum, and B. (Pseudomonas) mallei. Serum is used as negative control in the serologic tests for equine piroplasmosis, dourine and glanders |
| Equine piroplasmosis cELISA proficiency test | PIR-CHK | N/A | N/A | Yes | \$394.00 | Equine Piroplasmosis cELISA Proficiency Test. This proficiency test is available only to laboratories currently approved or in the approval process to perform the cELISA for Equine Piroplasmosis. |
| Equine rhinitis A antiserum, rabbit origin (equine rhinovirus type 1) | 360-EDV | 2.0 ml | Varies | Yes | \$112.00 | Positive control for virus neutralization (VN) test |
| Equine rhinitis A equine origin cell culture (equine rhinovirus type 1) | 060-EDV | 0.6 ml | 1 | Yes | \$33.00 | For production of stock virus |
| Equine rhinitis type B1 antiserum rabbit origin (equine rhinovirus type 2) | 361-EDV | 2.0 ml | Varies | Yes | \$112.00 | Positive control for virus neutralization (VN) test |
| Equine rhinitis type B1 virus (equine rhinovirus type 2) | 061-EDV | 0.6 ml | 1 | Yes | \$33.00 | For production of viral stock |
| Equine viral arteritis (EVA) antibody | 371-EDV | 2.0 ml | N/A | Yes | \$49.00 | EVA weak positive reference serum |
| Equine viral arteritis (EVA) antiserum | 370-EDV | 2.0 ml | Varies | Yes | \$49.00 | Positive control for virus neutralization (VN) and indirect fluorescent antibody (IFA) tests |
| Equine viral arteritis (EVA) check test | EVA-CHK | N/A | N/A | Yes | \$394.00 | Proficiency test for Equine viral arteritis (EVA) |
| Equine viral arteritis (EVA) negative control serum | 372-EDV | 2.0 ml | Varies | Yes | \$40.00 | Negative control for the EVA virus neutralization (VN) test |
| Equine viral arteritis (EVA) virus | 070-EDV | 0.6 ml | 1 | Yes | \$33.00 | CVL Bucyrus strain |
| Flazo orange counterstain | 29 | 3.0 ml | Varies | Yes | \$14.00 | Counterstain to quench background fluorescence in fluorescent antibody testing |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|---|
| Fowl pox antiserum | 461-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against challenge virus FP 73-1 |
| Fowl pox virus | 061-ADV | 0.6 ml | Varies | Yes | \$33.00 | Virus produced in chicken embryo kidney cells |
| Glanders complement fixation (CF) test antigen | 165 | 2.0 ml | 50 | Yes | \$168.00 | Antigen is used in the CF test for detecting antibodies to Burkholderia mallei. |
| Glanders low titer positive control serum, lyophilized | 166-L | 1.0 ml | 40 | Yes | \$66.00 | Low titer positive control serum used in serologic tests to detect antibodies to Burkholderia mallei |
| Glanders positive control serum, high titer | 166-H | 1.0 ml | 40 | Yes | \$66.00 | High titer positive control serum used in serologic tests to detect antibodies to Burkholderia (Pseudomonas) mallei |
| Goat origin anti-chicken fluorescent antibody (FA) conjugate | 291-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with chicken serum |
| Goat origin anti-chicken horseradish peroxidase-labeled conjugate | 291-R2 | 1.0 ml | Varies | Yes | \$80.00 | Use in enzyme immunoassays with chicken serum |
| Goat origin anti-guinea pig fluorescent antibody (FA) conjugate | 296-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with guinea pig serum |
| Goat origin anti-mouse fluorescent antibody (FA) conjugate | 221-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with mouse serum |
| Goat origin anti-mouse horseradish peroxidase-labeled conjugate | 221-R2 | 1.0 ml | Varies | Yes | \$80.00 | Use in enzyme immunoassays with mouse serum |
| Goat origin anti-porcine fluorescent antibody (FA) conjugate | 191-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with porcine serum |
| Goat origin anti-porcine horseradish peroxidase-labeled conjugate | 191-R2 | 1.0 ml | Varies | Yes | \$80.00 | Use in enzyme immunoassays with porcine serum |
| Goat origin anti-rabbit fluorescent antibody (FA) conjugate | 171-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with rabbit serum |

Print Date:

6/18/2018

*** No charge if used as part of a USDA control program
Please note: The NVSL distributes reagents for veterinary use only**

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| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Goat origin anti-rabbit horseradish peroxidase-labeled conjugate | 171-R2 | 1.0 ml | Varies | Yes | \$80.00 | Use in enzyme immunoassays with rabbit serum |
| Highly pathogenic avian influenza (HPAI) inactivated antigen, H5N2 | 134-ADV | 2.0 ml | | Yes | \$67.00 | 2015 US Midwest H5N2 HPAI isolate (A/TY/MN/12582/2015 H5N2 HPAI inactivated antigen) |
| Highly pathogenic avian influenza (HPAI) inactivated antigen, H5N2 | 133-ADV | 2.0 ml | | Yes | \$67.00 | 2015 US Midwest H5N2 HPAI isolate (A/TY/MN/9845-4/2015 H5N2 HPAI inactivated antigen) |
| Highly pathogenic avian influenza (HPAI) inactivated antigen, H5N8 | 135-ADV | 2.0ml | | Yes | \$67.00 | A/gyrfalcon/Washington/41088-6/2014(H5N8) – courtesy of USGS NWHC and Washington State |
| Infectious bronchitis virus | 112-ADV | 0.6 ml | 1 | Yes | \$33.00 | Virus (Beaudette strain) propagated in chicken embryos |
| Infectious bursal disease (IBD) agar gel immunodiffusion (AGID) antigen | 123-ADV | 1.0 ml | 60 | Yes | \$33.50 | Use to detect antibodies to IBD virus by the AGID test--must be ordered and used in matched sets (same lot numbers) with antiserum 421-ADV |
| Infectious bursal disease (IBD) agar gel immunodiffusion (AGID) antiserum | 421-ADV | 3.0 ml | 60 | Yes | \$79.50 | Use as a positive control serum with IBD AGID antigen--must be ordered and used in matched sets (same lot numbers) with antigen 123-ADV. |
| Infectious bursal disease (IBD) antiserum | 420-ADV | 2.0 ml | Varies | Yes | \$53.00 | Use as a positive control serum in the IBD indirect fluorescent antibody (IFA) test |
| Infectious bursal disease (IBD) virus (cell culture) | 120-ADV | 0.6 ml | 1 | Yes | \$33.00 | Cell culture virus (Edgar strain) propagated in chicken embryo cells |
| Infectious bursal disease (IBD) virus (embryo) | 124-ADV | 0.6 ml | 1 | Yes | \$33.00 | Embryo-adapted chicken embryo-propagated virus, NVSL challenge virus strain |
| Infectious laryngotracheitis (ILT) fluorescent antibody (FA) conjugate | 633-ADV | 1.0 ml | Varies | Yes | \$80.00 | Use to detect ILT viral antigen in infected cell cultures or tissues by FA techniques. NVSL challenge virus strain LT 83-2. |
| Infectious laryngotracheitis (ILT) virus | 033-ADV | 0.6 ml | 1 | Yes | \$33.00 | Cell culture virus (strain LT 83-2) propagated in chick embryo kidney cells |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Infectious laryngotracheitis (ILT) virus antiserum | 333-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against LT 83-2 strain |
| Influenza A virus - swine (IAV-S) antiserum H1N1 (CA/2009) | 334-IDV | 2.0 ml | | Yes | \$115.00 | A/SW/CA/04/2009 (H1N1) strain, porcine origin. Use as a positive control serum in the IAV-S hemagglutination inhibition (HI) test. |
| Influenza A virus - swine (IAV-S) antiserum H1N1 (IL/2005) | 329-IDV | 2.0 ml | | Yes | \$115.00 | A/SW/IL/00685/2005 (H1N1) strain, porcine origin. Use as a positive control serum in the IAV-S hemagglutination inhibition (HI) test. |
| Influenza A virus - swine (IAV-S) antiserum H1N1 (KY/2008) | 333-IDV | 2.0 ml | | Yes | \$115.00 | A/SW/KY/02086/2008 (H1N1) strain, porcine origin. Use as a positive control serum in the IAV-S hemagglutination inhibition (HI) test. |
| Influenza A virus - swine (IAV-S) antiserum H1N2 (SD/2013) | 335-IDV | 2.0 ml | | Yes | \$115.00 | A/SW/SD/A01349341/2013 (H1N2) strain, porcine origin. Use as a positive control serum in the IAV-S hemagglutination inhibition (HI) test. |
| Influenza A virus - swine (IAV-S) antiserum H3N1 (MO/2014) | 330-IDV | 2.0 ml | | Yes | \$115.00 | A/SW/MO/A01410819/2014 (H3N1) strain, porcine origin. Use as a positive control serum in the IAV-S hemagglutination inhibition (HI) test. |
| Influenza A virus - swine (IAV-S) antiserum H3N2 (IA/2014) | 332-IDV | 2.0 ml | | Yes | \$115.00 | A/SW/IA/A01480656/2014 (H3N2) strain, porcine origin. Use as a positive control serum in the IAV-S hemagglutination inhibition (HI) test. |
| Influenza A virus - swine (IAV-S) antiserum H3N2 (NY/2011) | 331-IDV | 2.0 ml | | Yes | \$115.00 | A/SW/NY/A01104005/2011 (H3N2) strain, porcine origin, use as a positive control serum in the IAV-S hemagglutination inhibition (HI) test. |
| Johne's Sera | JD-SER | 0.5 ml | N/A | Yes | \$33.00 | Serum from characterized Johne's disease status animals (call (515) 337-7563 for current list) |
| Leptospira microscopic agglutination negative control serum | LEP-NEG | 2.0 ml | Varies | Yes | \$40.00 | Used as a negative control for the Leptospira microscopic agglutination test |
| Leptospira multivalent fluorescent antibody conjugate, rabbit origin | LEP-FAC | 1.0 ml | Varies | Yes | \$105.00 | Rabbit origin multivalent fluorescent antibody conjugate (FITC-bound) |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Leptospira reference antiserum, rabbit origin, 200+ strains other than those listed for MAT purposes | LEP-ANT | 2.0 ml | Varies | Yes | \$112.00 | Reference antiserum for Leptospira generally not used in microscopic agglutination testing; contact laboratory regarding serovar/strain availability at (515) 337-7565 |
| Leptospira reference cultures, semi-solid or liquid form, 200+ strains other than those listed | LEP-CUL | 6.0/10.0 ml | Varies | Yes | \$79.00 | Reference strais of Leptospira generally not used in microscopic agglutination testing; contact laboratory regarding serovar/strain availability at (515) 337-7565 |
| Leptospira reference serovar australis, strain Ballico, liquid culture | ARL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar australis, strain Ballico, rabbit antiserum | ARA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar australis, strain Ballico, semi-solid culture | ARS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar autumnalis, strain Akiyami A, liquid culture | ATL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar autumnalis, strain Akiyami A, rabbit antiserum | ATA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar autumnalis, strain Akiyami A, semi-solid culture | ATS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar ballum, strain S 102, liquid culture | BML-011 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar ballum, strain S 102, rabbit antiserum | BMA-011 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Leptospira reference serovar ballum, strain S 102, semi-solid culture | BMS-011 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar bataviae, strain Van Tienen, liquid culture | BTL-020 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar bataviae, strain Van Tienen, rabbit antiserum | BTA-020 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar bataviae, strain Van Tienen, semi-solid culture | BTS-020 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar bratislava, strain Jez Bratislava, liquid culture | ARL-050 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar bratislava, strain Jez Bratislava, rabbit antiserum | ARA-050 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar bratislava, strain Jez Bratislava, semi-solid culture | ARS-050 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar canicola, strain Hond Utrecht IV, liquid culture | CAL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar canicola, strain Hond Utrecht IV, rabbit antiserum | CAA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar canicola, strain Hond Utrecht IV, semi-solid culture | CAS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Leptospira reference serovar copenhageni (ictero reference), strain M-20, liquid culture | ICL-020 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar copenhageni (ictero reference), strain M-20, rabbit antiserum | ICA-020 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar copenhageni (ictero reference), strain M-20, semi-solid culture | ICS-020 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar grippityphosa, strain Andaman, liquid culture | GRL-020 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar grippityphosa, strain Andaman, rabbit antiserum | GRA-020 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar grippityphosa, strain Andaman, semi-solid culture | GRS-020 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar hardjo, strain Hardjoprajtino, liquid culture | SJL-060 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar hardjo, strain Hardjoprajtino, rabbit antiserum | SJA-060 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar hardjo, strain Hardjoprajtino, semi-solid culture | SJS-060 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar hebdomadis, strain Hebdomadis, liquid culture | HBL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Leptospira reference serovar hebdomadis, strain Hebdomadis, rabbit antiserum | HBA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar hebdomadis, strain Hebdomadis, semi-solid culture | HBS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar pomona, strain Pomona, liquid culture | POL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar pomona, strain Pomona, rabbit antiserum | POA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar pomona, strain Pomona, semi-solid culture | POS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar pyrogenes, strain Salinem, liquid culture | PYL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar pyrogenes, strain Salinem, rabbit antiserum | PYA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar pyrogenes, strain Salinem, semi-solid culture | PYS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar sejroe, strain M 84, liquid culture | SJL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar sejroe, strain M 84, rabbit antiserum | SJA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Leptospira reference serovar sejroe, strain M 84, semi-solid culture | SJS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar szwajizak, strain Szwajizak, liquid culture | MIL-020 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar szwajizak, strain Szwajizak, rabbit antiserum | MIA-020 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar szwajizak, strain Szwajizak, semi-solid culture | MIS-020 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Leptospira reference serovar tarassovi, strain Perepelicin, liquid culture | TAL-010 | 10.0 ml | Varies | Yes | \$79.00 | Liquid culture for use in microscopic agglutination test |
| Leptospira reference serovar tarassovi, strain Perepelicin, rabbit antiserum | TAA-010 | 2.0 ml | Varies | Yes | \$112.00 | Reference control antiserum for microscopic agglutination test |
| Leptospira reference serovar tarassovi, strain Perepelicin, semi-solid culture | TAS-010 | 6.0 ml | Varies | Yes | \$79.00 | Semi-solid culture for stock culture purposes |
| Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's enzyme-linked immunosorbent assay (ELISA) proficiency test | JEL-CHK | N/A | N/A | Yes | \$394.00 | A panel of serum samples is used to monitor proficiency of laboratory personnel |
| Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's fecal pooling proficiency kit | JFE-POL | N/A | N/A | Yes | \$189.00 | Pooling proficiency panel. 25 - 10ml vials of feces. Conducted yearly, contact laboratory at (515) 337-7388 |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's fecal proficiency test kit | JFE-CHK | N/A | N/A | Yes | \$189.00 | Individual sample proficiency panel. 26 - 10ml vials of feces. Conducted yearly, contact laboratory at (515) 337-7388 |
| Mycobacterium - Mycobacterium avium ssp. Paratuberculosis (Johne's) fecal sample | MAP-POS | 5.0 ml | 1 | Yes | \$2.00 | Johne's fecal positive controls. Click here for a current list of positive control samples. |
| Mycobacterium - Mycobacterium avium ssp. Paratuberculosis (Johne's) fecal sample | MAP-NEG | 5.0 ml | 1 | Yes | \$2.00 | Johne's fecal negative controls. Click here for a current list of negative control samples. |
| Mycobacterium - Mycobacterium avium ssp. Paratuberculosis manual | MAP-MAN | N/A | N/A | Yes | \$84.00 | Manual titled "Laboratory Methods for Isolation and Identification of Mycobacterium avium spp. Paratuberculosis (Johne's Disease)" |
| Mycobacterium antigen - Mycobacterium avium purified protein derivative (PPD) (export testing) | 30-EXP | 2.0 ml | 12 - 15 | Yes | \$20.00 | Purified protein derivative (PPD) avium export (1 mg/ml protein) tuberculin is used to test bovine and other species of animals for relative sensitivity to Mycobacterium avium by the caudal fold or other appropriate methods |
| Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (caudal fold) | 131-B10 | 10.0 ml | 75 - 80 | * | \$100.00 | Use this product for Bovine caudal fold test and Cervid single cervical test. One mg/ml protein tuberculin is used to test bovine and other species of animals for sensitivity to Mycobacterium bovis tuberculo protein. Replaces reagent code 131-B. |
| Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (caudal fold) | 131-B5 | 5.0 ml | 35 - 40 | * | \$50.00 | For caudal fold test. One mg/ml protein tuberculin is used to test bovine and other species of animals for sensitivity to Mycobacterium bovis tuberculo protein. |
| Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (caudal fold) | 131-B1 | 1.0 ml | 5 - 6 | * | \$10.00 | For caudal fold test. One mg/ml protein tuberculin is used to test bovine and other species of animals for sensitivity to Mycobacterium bovis tuberculo protein. |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|---|
| Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (cervical test) | 31-CER | 2.0 ml | 15 - 17 | * | \$20.00 | This product is for use by federal/regulatory veterinarians and requires the approval of the Cattle Health Center Specialists. Purified protein derivative (PPD) bovis cervical (2 mg/ml protein) tuberculin is used to test bovine and other species of animals for relative sensitivity to Mycobacterium bovis tuberculoprotein by the cervical method. |
| Mycobacterium antigen - Mycobacterium paratuberculosis (Johne's) complement fixation (CF) antigen | 133-CF | 3.0 ml | Varies | Yes | \$96.00 | The antigen is used in the Johne's complement fixation (CF) test for the serological diagnosis of Mycobacterium paratuberculosis |
| Mycobacterium antigen - Mycobacterium paratuberculosis (Johnin) purified protein derivative (PPD) tuberculin | 134 | 1.0 ml | 10 | Yes | \$10.00 | Purified protein derivative (PPD) Johnin is used in bovine to determine their relative sensitivity to Mycobacteria paratuberculosis by the caudal fold method |
| Mycobacterium antigen - purified protein derivative (PPD) avian balanced tuberculin (comparative cervical test) | 30-BAL | 1.0 ml | 5 - 6 | * | \$10.00 | The ordering and use of the Balanced Tuberculins require approval of the Assistant District Director and are for use by CCT trained federal/regulatory veterinarians only. Used to test bovine and other species of animals for relative sensitivity to Mycobacterium bovis and M. avium tuberculoprotein by the comparative cervical method--contains 0.4 mg protein/ml. |
| Mycobacterium antigen - purified protein derivative (PPD) bovis balanced tuberculin (comparative cervical test) | 31-BAL | 1.0 ml | 5 - 6 | * | \$10.00 | The ordering and use of the Balanced Tuberculins require approval of the Assistant District Director and are for use by CCT trained federal/regulatory veterinarians only. Used to test bovine and other species of animals for relative sensitivity to Mycobacterium bovis and M. avium tuberculoprotein by the comparative cervical method--contains 1.0 mg protein/ml. |
| Mycobacterium bovis Cervid TB Stat-Pak serum shipping kit | STA-PAK | N/A | 80 | Yes | \$42.50 | Shipping materials only for Cervid TB Stat-Pak testing. Blood tubes or sample collection supplies not included. |

Print Date:

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*** No charge if used as part of a USDA control program
Please note: The NVSL distributes reagents for veterinary use only**

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| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Mycobacterium bovis direct PCR control, negative, bovine tissue | MBD-NEG | 10.0 ml | 100 | Yes | \$56.00 | Ground bovine liver tissue in PBS used as a negative control in direct PCR applications. Validated for use in Mycobacterium tuberculosis complex direct PCR assays. Packaged as 10 vials containing 1 ml each for a total of 100 tests if 100 µl is used per extraction. |
| Mycobacterium bovis direct PCR control, positive, bovine tissue with BCG | MBD-POS | 10.0 ml | 100 | Yes | \$56.00 | Mycobacterium bovis direct PCR positive extraction control. Ground bovine liver tissue in PBS spiked with M. bovis BCG. Packaged as 10 vials containing 1 ml each for a total of 100 tests if 100 µl is used per extraction. |
| Mycobacterium bovis direct PCR control, positive, bovine tissue with Mtb H37a | TBD-POS | 10.0 ml | 100 | Yes | \$56.00 | Mycobacterium tuberculosis complex direct PCR positive extraction control. Ground bovine liver tissue in PBS spiked with M. tuberculosis H37Ra. Packaged as 10 vials containing 1 ml each for a total of 100 tests if 100 µl is used per extraction. |
| Mycobacterium bovis serum panel | SBP-MB | 0.5 ml | N/A | Yes | \$14.00 | Serum samples from cattle and cervid species with known positive and negative bovine tuberculosis status. Contact NVSL Serum Bank Coordinator at (515) 337-7563 to specify samples. User Fee is per sample. |
| Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) negative control serum | 137-N | 2.0 ml | Varies | Yes | \$40.00 | Serum is used in the Johne's enzyme-linked immunosorbent assay (ELISA) test to monitor the functioning of test systems |
| Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) complement fixation (CF) negative serum | 133-N | 2.0 ml | Varies | Yes | \$40.00 | Serum is used in the Johne's disease complement fixation (CF) test to monitor the functioning of the test system |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) complement fixation (CF) positive serum | 133-P | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Johne's disease complement fixation (CF) test to monitor the functioning of the test system |
| Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) high positive control serum | 137-HP | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Johne's enzyme-linked immunosorbent assay (ELISA) test to monitor the functioning of test systems |
| Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) low positive 1 control serum | 137-LP1 | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Johne's enzyme-linked immunosorbent assay (ELISA) test to monitor the functioning of test systems |
| Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) low positive 2 control serum | 137-LP2 | 1.0 ml | Varies | Yes | \$66.00 | Serum is used in the Johne's enzyme-linked immunosorbent assay (ELISA) test to monitor the functioning of test systems |
| Mycobacterium field isolate - multiple species available | MYC-S | Varies | N/A | Yes | \$79.00 | Mycobacterium field isolates. Sent as live cultures on slants. Call (515) 337-7388 for availability. |
| Mycobacterium field isolate - multiple species available | MYC-F | 1.0 ml | N/A | Yes | \$79.00 | Mycobacterium field isolates. Sent as glycerol stock. Call (515) 337-7388 for availability |
| Mycobacterium reference culture - multiple species available | MYC-R | 1.0 ml | | Yes | \$249.00 | Mycobacterium isolates for use as reference strains. Certificate of Analysis is provided with each order. Supplied as a glycerol stock Call (515) 337-7388 for availability |
| Mycobacterium species cells, non-viable | MYC-REA | Varies | | Yes | \$112.00 | Killed Mycobacterium species cells, non-viable produced for reagent or testing purposes. Various species available. Call (515) 337-7181 for availability |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Mycobacterium species cells, non-viable | MYC-NV | Varies | N/A | Yes | \$112.00 | Mycobacterium species cells, non-viable. Various species available. Call (515) 337-7388 for availability |
| Mycobacterium species DNA | MYC-DNA | Varies | N/A | Yes | \$140.00 | Mycobacterium species DNA. Various species available. Call (515) 337-7388 for availability |
| Mycoplasma - chicken serum, negative for Mycoplasma antibodies | 119 | 2.0 ml | Varies | Yes | \$40.00 | Used as a negative control in plate or hemagglutination-inhibition test |
| Mycoplasma - turkey serum, negative for mycoplasma antibodies | 109 | 2.0 ml | Varies | Yes | \$40.00 | Used as a negative control in plate or hemagglutination-inhibition tests |
| Mycoplasma gallisepticum hemagglutination antigen | 100 | 5.0 ml | Varies | Yes | \$197.00 | Used to detect antibodies in poultry serum by hemagglutination-inhibition (HI) test |
| Mycoplasma gallisepticum positive control serum, chicken origin, for use in plate test | 104-P | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in the plate test; plate test antigen is available commercially |
| Mycoplasma gallisepticum positive control serum, chicken origin, range in titer of 1:160 - 1:320 | 104-M | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma gallisepticum positive control serum, chicken origin, range in titer of 1:40 - 1:80 | 104-L | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma gallisepticum positive control serum, chicken origin, range in titer of 1:640 - 1:1280 | 104-H | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma gallisepticum positive control serum, turkey origin, for use in plate test | 103-P | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in the plate test; plate test antigen is available commercially |
| Mycoplasma gallisepticum positive control serum, turkey origin, range in titer of 1:160 - 1:320 | 103-M | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Mycoplasma gallisepticum positive control serum, turkey origin, range in titer of 1:40 - 1:80 | 103-L | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma gallisepticum positive control serum, turkey origin, range in titer of 1:640 - 1:1280 | 103-H | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma meleagridis hemagglutination antigen | 110 | 5.0 ml | Varies | Yes | \$197.00 | Used to detect antibodies in poultry serum by hemagglutination-inhibition (HI) test |
| Mycoplasma meleagridis positive control serum, turkey origin, for use in plate test | 113-P | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in the plate test; plate test antigen is available commercially |
| Mycoplasma meleagridis positive control serum, turkey origin, range in titer of 1:160 - 1:320 | 113-M | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma meleagridis positive control serum, turkey origin, range in titer of 1:40 - 1:80 | 113-L | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma meleagridis positive control serum, turkey origin, range in titer of 1:640 - 1:1280 | 113-H | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma synoviae conjugate (chicken serum) | DBL-MSC | 0.5 ml | Varies | Yes | \$52.50 | Fluorescent antibody conjugate for confirmation of Mycoplasma synoviae |
| Mycoplasma synoviae conjugate (rabbit serum) | DBL-MSR | 0.5 ml | Varies | Yes | \$52.50 | Fluorescent antibody conjugate for confirmation of Mycoplasma synoviae |
| Mycoplasma synoviae fluorescent antibody conjugate, multivalent, rabbit origin | MSR-FAC | 0.5 ml | Varies | Yes | \$52.50 | Rabbit origin multivalent fluorescent antibody conjugate (FITC bound) |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Mycoplasma synoviae fluorescent antibody conjugate, multivalent, chicken origin | MSC-FAC | 0.5 ml | Varies | Yes | \$52.50 | Chicken origin multivalent fluorescent antibody conjugate (FITC bound) |
| Mycoplasma synoviae hemagglutination antigen | 120 | 5.0 ml | Varies | Yes | \$197.00 | Used to detect antibodies in poultry serum by hemagglutination-inhibition (HI) test |
| Mycoplasma synoviae positive control serum, chicken origin, for use in plate test | 124-P | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in the plate test; plate test antigen is available commercially |
| Mycoplasma synoviae positive control serum, chicken origin, range in titer of 1:160 - 1:320 | 124-M | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma synoviae positive control serum, chicken origin, range in titer of 1:40 - 1:80 | 124-L | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma synoviae positive control serum, chicken origin, range in titer of 1:640 - 1:1280 | 124-H | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma synoviae positive control serum, turkey origin, for use in plate test | 123-P | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in the plate test; plate test antigen is available commercially |
| Mycoplasma synoviae positive control serum, turkey origin, range in titer of 1:160 - 1:320 | 125-M | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma synoviae positive control serum, turkey origin, range in titer of 1:40 - 1:80 | 125-L | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |
| Mycoplasma synoviae positive control serum, turkey origin, range in titer of 1:640 - 1:1280 | 125-H | 2.0 ml | Varies | Yes | \$104.00 | Used as a positive control serum in hemagglutination-inhibition (HI) test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Newcastle disease (ND) antigen | 136-ADV | 2.0 ml | Varies | Yes | \$67.00 | For use in the hemagglutination and hemagglutination-inhibition (HI) tests. Beta-propiolactone inactivated (LaSota strain) |
| Newcastle disease (ND) antiserum | 433-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against New Jersey-Roakin strain |
| Newcastle disease (ND) transcribed RNA | 200-ADV | 0.05 ml | Varies | * | \$84.00 | Positive control for NDV RRT-PCR. Transcribed RNA was prepared with PAMP1 plasmid containing the matrix and fusion gene of PMV/CA/Chicken/211472/02. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact the DVL/AV Section Head for queries or international requests. |
| Newcastle disease (ND) virus | 132-ADV | 0.6 ml | 1 | Yes | \$33.00 | Virus (LaSota strain) propagated in chick embryos |
| Normal specific pathogen free chicken serum | 907-ADV | 5.0 ml | Varies | Yes | \$100.00 | Used as a negative control serum for avian serology |
| Normal turkey serum | 906-ADV | 0.6 ml | Varies | Yes | \$12.00 | Used as a negative control serum for avian serology |
| Ovine progressive pneumonia/caprine arthritis encephalitis strong positive reference serum | 410-CDV | 2.0 ml | Varies | Yes | \$27.00 | Ovine origin--agar gel immunodiffusion (AGID) control |
| Ovine Scrapie PrP genotyping proficiency panel - Whole Blood | PRP-WB | | | Yes | \$394.00 | 20 - 1mL vials of whole blood. Conducted yearly, contact laboratory at (515) 337-7388 or 7837 |
| Ovine Scrapie PrP genotyping proficiency panel for fresh tissue | PRP-TIS | | | Yes | \$394.00 | 10 vials each with a 3mm Ovine ear punch. conducted yearly, contact laboratory at (515) 337-7388 or 7837 |
| Ovine Scrapie PrP genotyping proficiency panel for FTA cards | PRP-FTA | | | Yes | \$394.00 | 20 FTA cards with Ovine whole blood. Conducted yearly, contact laboratory at (515) 337-7388 or 7837 |
| Parainfluenza-3 (PI-3) virus neutralization (VN) positive control serum | 475-BDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for the PI-3 VN test (diluted) |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Parainfluenza-3 virus | 170-BDV | 0.6 ml | 1 | Yes | \$33.00 | SF-4 strain |
| Parainfluenza-3 virus antiserum | 470-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Parainfluenza-3 virus fluorescent antibody conjugate | 770-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Pasteurella multocida type 1 antiserum | 20-T1 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 1, reference culture X-73 | 21-T1 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 10 antiserum | 20-T10 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 10, reference culture P-2100 | 21-T10 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 11 antiserum | 20-T11 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 11, reference culture P-903 | 21-T11 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 12 antiserum | 20-T12 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 12, reference culture P-1573 | 21-T12 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 13 antiserum | 20-T13 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 13, reference culture P-1591 | 21-T13 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 14 antiserum | 20-T14 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|---|
| Pasteurella multocida type 14, reference culture P-2225 | 21-T14 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 15 antiserum | 20-T15 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 15, reference culture P-2237 | 21-T15 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 16 antiserum | 20-T16 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 16, reference culture P-2723 | 21-T16 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 2 antiserum | 20-T2 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 2, reference culture M-1404 | 21-T2 | 10.0 ml | Varies | Yes | \$79.00 | USDA permit required. Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 3 antiserum | 20-T3 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 3, reference culture P-1059 | 21-T3 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 4 antiserum | 20-T4 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 4, reference culture P-1662 | 21-T4 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 5 antiserum | 20-T5 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 5, reference culture P-1702 | 21-T5 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Pasteurella multocida type 6 antiserum | 20-T6 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 6, reference culture P-2192 | 21-T6 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 7 antiserum | 20-T7 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 7, reference culture P-1997 | 21-T7 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 8 antiserum | 20-T8 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 8, reference culture P-1581 | 21-T8 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| Pasteurella multocida type 9 antiserum | 20-T9 | 1.0 ml | Varies | Yes | \$52.00 | Reference control antiserum for use in the gel diffusion precipitin test |
| Pasteurella multocida type 9, reference culture P-2095 | 21-T9 | 10.0 ml | Varies | Yes | \$79.00 | Used to prepare reference control antigen for the gel diffusion precipitin test |
| PCR control, direct, negative bovine tissue | MBD-NEG | 10.0 ml | 100 | Yes | \$56.00 | Ground bovine liver tissue in PBS used as a negative control in direct PCR applications. Validated for use in Mycobacterium tuberculosis complex direct PCR assays. Packaged as 10 vials containing 1 ml each for a total of 100 tests if 100 µl is used per extraction. |
| PCR control, direct, positive tissue with Mycobacterium bovis BCG | MBD-POS | 10.0 ml | 100 | Yes | \$56.00 | Mycobacterium bovis direct PCR positive extraction control. Ground bovine liver tissue in PBS spiked with M. bovis BCG. Packaged as 10 vials containing 1 ml each for a total of 100 tests if 100 µl is used per extraction. |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| PCR control, direct, positive tissue with Mycobacterium tuberculosis H37a | TBD-POS | 10.0 ml | 100 | Yes | \$56.00 | Mycobacterium tuberculosis complex direct PCR positive extraction control. Ground bovine liver tissue in PBS spiked with M. tuberculosis H37Ra. Packaged as 10 vials containing 1 ml each for a total of 100 tests if 100 µl is used per extraction. |
| Polysorbate-80 bovine albumin medium (P-80 BA) | LTM-5 | 5.0 ml | Varies | Yes | \$2.38 | Semisolid medium used to propagate Leptospira for use in microscopic agglutination testing |
| Polysorbate-80 bovine albumin medium (P-80 BA) | LTM-10 | 10.0 ml | Varies | Yes | \$4.75 | Medium used to propagate Leptospira for use in microscopic agglutination testing |
| Polysorbate-80 bovine albumin medium (P-80 BA) | LTM-100 | 100.0 ml | Varies | Yes | \$47.50 | Medium used to propagate Leptospira for use in microscopic agglutination testing |
| Porcine adenovirus | 030-PDV | 0.6 ml | 1 | Yes | \$33.00 | |
| Porcine adenovirus antiserum | 330-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Porcine adenovirus fluorescent antibody conjugate | 630-PDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |
| Porcine deltacoronavirus | 026-PDV | 0.6 ml | | Yes | \$197.00 | |
| Porcine epidemic diarrhea virus antiserum | 328-PDV | 2.0 ml | | Yes | \$115.00 | Porcine Source Antiserum - undiluted |
| Porcine epidemic diarrhea virus, CO isolate | 025-PDV | 0.6 ml | | Yes | \$197.00 | Porcine epidemic diarrhea virus, CO isolate |
| Porcine hemagglutinating encephalomyelitis virus (PHEV) | 001-PDV | 0.6 ml | 1 | Yes | \$33.00 | Mengling strain, challenge virus for the PHEV hemagglutination-inhibition (HI) test |
| Porcine hemagglutinating encephalomyelitis virus (PHEV) antiserum | 301-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Porcine hemagglutinating encephalomyelitis virus (PHEV) fluorescent antibody conjugate | 601-PDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Porcine hemagglutinating encephalomyelitis virus (PHEV) positive control serum | 315-PDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for PHEV hemagglutination-inhibition (HI) test (diluted) |
| Porcine parvovirus (PPV) | 080-PDV | 0.6 ml | Varies | Yes | \$33.00 | NADL-1 (Mengeling) strain, challenge virus for the PPV hemagglutination-inhibition (HI) test |
| Porcine parvovirus (PPV) antiserum | 380-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Porcine parvovirus (PPV) fluorescent antibody conjugate | 680-PDV | 1.0 ml | Varies | Yes | \$80.00 | For cell culture staining |
| Porcine parvovirus (PPV) hemagglutination-inhibition (HI) positive control serum | 385-PDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for PPV hemagglutination-inhibition (HI) test (diluted) |
| Porcine reovirus | 100-PDV | 0.6 ml | 1 | Yes | \$33.00 | Type 3 |
| Porcine reovirus antiserum | 400-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Porcine reovirus fluorescent antibody conjugate | 700-PDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |
| Porcine reproductive and respiratory syndrome (PRRS) antiserum European N strain | 460-PDV | 2.0 ml | Varies | Yes | \$115.00 | Undiluted antiserum |
| Porcine reproductive and respiratory syndrome (PRRS) antiserum North American strain | 430-PDV | 2.0 ml | Varies | Yes | \$115.00 | Undiluted antiserum |
| Porcine reproductive and respiratory syndrome (PRRS) check test - ELISA | PRR-ELI | N/A | N/A | Yes | \$394.00 | Enzyme-linked immunosorbent assay (ELISA) |
| Porcine reproductive and respiratory syndrome (PRRS) check test - IFA | PRR-IFA | N/A | N/A | Yes | \$394.00 | Indirect fluorescent antibody (IFA) test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Porcine reproductive and respiratory syndrome (PRRS) indirect immunofluorescent assay (IFA) negative control serum | 535-PDV | 2.0 ml | 12 | Yes | \$40.00 | Negative control serum for the indirect immunofluorescent assay (IFA) test, both NVSL and European strains |
| Porcine reproductive and respiratory syndrome (PRRS) indirect immunofluorescent assay (IFA) positive control serum European N strain | 345-PDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for the indirect immunofluorescent assay (IFA) test (diluted) |
| Porcine reproductive and respiratory syndrome (PRRS) indirect immunofluorescent assay (IFA) positive control serum North American strain | 335-PDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for the indirect immunofluorescent assay (IFA) test (diluted) |
| Porcine reproductive and respiratory syndrome (PRRS) infected MARC-145 cells European N strain | 150-MDV | 2 slides/set | N/A | Yes | \$28.00 | Eight (8) chambered slides for indirect immunofluorescent assay testing (acetone-fixed) |
| Porcine reproductive and respiratory syndrome (PRRS) infected MARC-145 cells North American strain | 130-MDV | 2 slides/set | N/A | Yes | \$28.00 | Eight (8) chambered slides for indirect immunofluorescent assay testing (acetone-fixed) |
| Porcine reproductive and respiratory syndrome (PRRS) monoclonal antibody | 635-PDV | 1.0 ml | Varies | Yes | \$110.00 | Mouse anti-PRRS antibodies for antigen detection |
| Porcine reproductive and respiratory syndrome (PRRS) virus North American strain | 130-PDV | 0.6 ml | 1 | Yes | \$33.00 | For preparation of indirect immunofluorescent assay slides |
| Porcine rotavirus | 110-PDV | 0.6 ml | 1 | Yes | \$33.00 | Bohl's strain |
| Porcine rotavirus antiserum | 410-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Porcine rotavirus fluorescent antibody conjugate | 710-PDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--------------------------------------|--------------|---------------|-------------|----------|------------------|---|
| Porcine sapelovirus | 058-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 27 (formerly Porcine enterovirus - A or PEV-8) |
| Porcine sapelovirus | 061-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 30 (formerly Porcine enterovirus - A or PEV-8c) |
| Porcine sapelovirus | 060-PDV | 0.6 ml | Varies | Yes | \$33.00 | ECPO 1 (formerly Porcine enterovirus - A or PEV-8b) |
| Porcine sapelovirus | 059-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 32 (formerly Porcine enterovirus - A or PEV-8a) |
| Porcine sapelovirus antiserum | 358-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly Porcine enterovirus - A or PEV-8) |
| Porcine sapelovirus antiserum | 361-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly Porcine enterovirus - A or PEV-8c) |
| Porcine sapelovirus antiserum | 360-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly Porcine enterovirus - A or PEV-8b) |
| Porcine sapelovirus antiserum | 359-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly Porcine enterovirus - A or PEV-8a) |
| Porcine sapelovirus pooled antiserum | 364-PDV | 2.0 ml | Varies | Yes | \$115.00 | Antiserum pool for virus identification (VI) (formerly Porcine enterovirus - A or PEV 8-8c) |
| Porcine teschovirus -1 | 051-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 34 (formerly PEV-1) |
| Porcine teschovirus -1 antiserum | 351-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly PEV-1) |
| Porcine teschovirus -2 | 052-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain 03B (formerly PEV-2) |
| Porcine teschovirus -2 antiserum | 352-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly PEV-2) |
| Porcine teschovirus -3 | 053-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 14 (formerly PEV-3) |
| Porcine teschovirus -3 antiserum | 353-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly PEV-3) |
| Porcine teschovirus -4 | 054-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 36 (formerly PEV-4) |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Porcine teschovirus -4 antiserum | 354-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly PEV-4) |
| Porcine teschovirus -5 | 055-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain F-12 (formerly PEV-5) |
| Porcine teschovirus -5 antiserum | 355-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly PEV-5) |
| Porcine teschovirus -6 | 056-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain PS 37 (formerly PEV-6) |
| Porcine teschovirus -6 antiserum | 356-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly PEV-6) |
| Porcine teschovirus -7 | 057-PDV | 0.6 ml | Varies | Yes | \$33.00 | Strain WR 2 (formerly PEV-7) |
| Porcine teschovirus -7 antiserum | 357-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source (formerly PEV-7) |
| Porcine teschovirus antiserum 1-7 | 363-PDV | 2.0 ml | Varies | Yes | \$115.00 | Antiserum pool for virus identification (formerly PEV 1-7) |
| Porcine teschovirus/enterovirus - A a362-pdvntiserum 1-8c | 362-PDV | 2.0 ml | Varies | Yes | \$115.00 | Antiserum pool for virus identification (formerly PEV1-8c) |
| Pseudocowpox virus | 100-BDV | 0.6 ml | 1 | Yes | \$33.00 | Field isolate--NVSL accession number 73-9543 |
| Pseudocowpox virus antiserum | 401-BDV | 2.0 ml | Varies | Yes | \$139.00 | Porcine source |
| Pseudocowpox virus antiserum | 400-BDV | 2.0 ml | Varies | Yes | \$139.00 | Bovine source |
| Pseudocowpox virus fluorescent antibody conjugate | 700-BDV | 1.0 ml | Varies | Yes | \$80.00 | Bovine source |
| Pseudorabies check test (Aujeszky's) - ALAT | PRV-ALA | N/A | N/A | * | \$394.00 | Automated latex agglutination test proficiency panel. U.S. must be an APHIS approved laboratory or in the process of becoming approved. Contact DVL/BP Section Head. |
| Pseudorabies check test (Aujeszky's) - ELISA (gB) | PRV-GB | N/A | N/A | * | \$394.00 | Enzyme-linked immunsorbent assay (gB) U.S. must be an APHIS approved laboratory or in the process of becoming approved. Contact DVL/BP Section Head. |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Pseudorabies check test (Aujeszky's) - ELISA (gl) | PRV-GP1 | N/A | N/A | * | \$394.00 | Enzyme-linked immunosorbent assay (gl) U.S. must be an APHIS approved laboratory or in the process of becoming approved. Contact DVL/BP Section Head. |
| Pseudorabies check test (Aujeszky's) - VN | PRV-VNT | N/A | N/A | * | \$394.00 | Virus neutralization check test. U.S.: must be an APHIS approved laboratory or in the process of becoming approved. Contact DVL/BP Section Head. |
| Pseudorabies virus (Aujeszky's) | 070-PDV | 0.6 ml | 1 | * | \$33.00 | Shope strain, challenge virus for the pseudorabies virus neutralization (VN) test. U.S.: Must be an APHIS-approved laboratory or in the process of becoming approved. Contact DVL/BP Section Head. |
| Pseudorabies virus antiserum (Aujeszky's) | 370-PDV | 2.0 ml | Varies | * | \$115.00 | Porcine source |
| Pseudorabies virus fluorescent antibody (FA) conjugate (Aujeszky's) | 670-PDV | 1.0 ml | Varies | * | \$80.00 | Porcine source |
| Pseudorabies virus neutralization (VN) positive control serum | 375-PDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for pseudorabies virus neutralization (VN) test (diluted). U.S.: must be an APHIS-approved laboratory. Contact DVL/BP Section Head. |
| Psittacine herpesvirus (PHV) | 037-ADV | 0.6 ml | 1 | Yes | \$33.00 | Cell culture virus (NVSL strain 77-4441) propagated in chicken embryo kidney cells |
| Psittacine herpesvirus (PHV) antiserum | 337-ADV | 2.0 ml | Varies | Yes | \$53.00 | Antiserum prepared in chickens against NVSL strain 77-4441 |
| Psittacine herpesvirus (PHV) fluorescent antibody (FA) conjugate | 637-ADV | 1.0 ml | Varies | Yes | \$80.00 | Use to detect PHV viral antigen in infected cell cultures or tissues by FA techniques (NVSL 77-4441 strain) |
| Rabbit origin anti-bovine fluorescent antibody (FA) conjugate | 81-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with bovine serum |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|---|
| Rabbit origin anti-bovine horseradish peroxidase-labeled conjugate | 81-R2 | 1.0 ml | Varies | Yes | \$80.00 | Use in enzyme immunoassays with bovine serum |
| Rabbit origin anti-equine fluorescent antibody (FA) conjugate | 71-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with equine serum |
| Rabbit origin anti-equine horseradish peroxidase-labeled conjugate | 71-R2 | 1.0 ml | Varies | Yes | \$80.00 | Use in enzyme immunoassays with equine serum |
| Rabbit origin anti-goat fluorescent antibody (FA) conjugate | 176-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with goat serum |
| Rabbit origin anti-goat horseradish peroxidase-labeled conjugate | 176-R2 | 1.0 ml | Varies | Yes | \$80.00 | Use in enzyme immunoassays with goat serum |
| Rabbit origin anti-guinea pig fluorescent antibody (FA) conjugate | 196-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with guinea pig serum |
| Rabbit origin anti-mouse fluorescent antibody (FA) conjugate | 211-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with mouse serum |
| Rabbit origin anti-sheep fluorescent antibody (FA) conjugate | 181-FA | 1.0 ml | Varies | Yes | \$80.00 | Use in indirect FA tests with sheep serum |
| Salmonella D National Poultry Improvement Plan proficiency test | CHK-GRD | N/A | N/A | Yes | \$189.00 | National Poultry Improvement Plan Salmonella Group D Contact laboratory for information--(515) 337-7565 |
| Salmonella isolate | SAL-ISO | 2.0 ml | 1 isolate | Yes | \$79.00 | 1 Salmonella isolate as requested. Contact the laboratory at (515) 337-7962 prior to order |
| Salmonella pullorum high titer control antiserum | 28-H | 2.0 ml | 40 | Yes | \$104.00 | Used as positive control serum with NVSL products 28 and 28-P |
| Salmonella pullorum low titer control antiserum | 28-L | 2.0 ml | 40 | Yes | \$104.00 | Used as positive control serum with NVSL product 28 |
| Salmonella pullorum negative control antiserum | 28-N | 2.0 ml | 40 | Yes | \$40.00 | Used as negative control serum with NVSL products 28 and 28-P |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Salmonella pullorum stained microtiter antigen | 28 | 25.0 ml | 500 | Yes | \$85.00 | Stained antigen used to detect antibody to the somatic antigens of Salmonella pullorum |
| Salmonella pullorum tube test antigen | 28-P | 5.0 ml | 40 | Yes | \$59.00 | Used for detection of antibody against Salmonella pullorum somatic antigens |
| Salmonella pullorum tube test antigen | 28-P25 | 25.0 ml | 200 | Yes | \$295.00 | Used for detection of antibody against Salmonella pullorum somatic antigens |
| Salmonella serotyping Proficiency Panel | CHK-SAL | 1.0 ml | N/A | Yes | \$189.00 | Salmonella Serotyping Proficiency Panel, contact laboratory for availability, 10 isolates |
| Schmallenberg antiserum | 081-ODV | 2.0 ml | | Yes | \$139.00 | |
| Scrapie genotyping control DNA | SCR-DNA | 25 uL | | Yes | \$84.00 | Scrapie genotyping control DNA |
| Scrapie immunohistochemistry control block | CWS-CB | | | * | \$0.00 | Positive scrapie brain and lymph tissue and Not Detected brain in a paraffin block used for IHC CWD controls includes a stained slide |
| Swine influenza 2009 H1N1 positive control RNA for N1 PCR | 305-IDV | 0.05 ml | 625 | * | \$84.00 | Swine Influenza 2009 H1N1 positive control RNA for N1 PCR |
| Swine influenza virus (SIV) | SIV-REP | 0.6 ml | N/A | Yes | \$28.00 | SIV repository isolates |
| Swine Influenza virus (SIV) antigen H1N1 (IA/04) | 029-IDV | 2.0 ml | 10 | Yes | \$67.00 | |
| Swine Influenza virus (SIV) antigen H1N1 (KA/03) | 028-IDV | 2.0 ml | 10 | Yes | \$67.00 | |
| Swine influenza virus (SIV) antigen H1N1 (OH/07) | 032-IDV | 2.0 ml | 10 | Yes | \$67.00 | A/Swine/Ohio/511445/2007 (Gamma/pdm)--Swine influenza virus (SIV) antigen, H1N1 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |
| Swine influenza virus (SIV) antigen H1N2 | 024-IDV | 2.0 ml | 125 | Yes | \$67.00 | A/swine/South Dakota/A01349341/2013 (Delta 1b)--Swine influenza virus (SIV) antigen, H1N2 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Swine influenza virus (SIV) antigen, H1N1 | 033-IDV | 2.0 ml | 125 | Yes | \$67.00 | A/Swine/Kentucky/02086/2008 (beta)--Swine influenza virus (SIV) antigen, H1N1 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, H1N1 | 036-IDV | 2.0 ml | 10 | Yes | \$67.00 | A/Swine/Illinois/00685/2005 (delta2)--Swine influenza virus (SIV) antigen, H1N1 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, H1N1 | 026-IDV | 2.0 ml | Varies | Yes | \$67.00 | A/SW/Iowa/73 -- H1N1 strain, use in the SIV hemagglutination-inhibition test. Beta-propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, H1N1 | 035-IDV | 2.0 ml | 10 | Yes | \$67.00 | A/Swine/California/04/2009 (pdm)--Swine influenza virus (SIV) antigen, H1N1 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, H3N1 | 031-IDV | 2.0 ml | 125 | Yes | \$67.00 | A/Swine/Missouri/A01410819/2014 (Human like)--Swine influenza virus (SIV) antigen, H3N1 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, H3N2 | 034-IDV | 2.0 ml | 125 | Yes | \$67.00 | A/Swine/New York/A01104005/2011 (Red)--Swine influenza virus (SIV) antigen, H3N2 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, H3N2 | 030-IDV | 2.0 ml | 125 | Yes | \$67.00 | A/swine/Iowa/A01480656/2014 (Light Green)--Swine influenza virus (SIV) antigen, H3N2 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, H3N2 (NC) | 025-IDV | 2.0 ml | Varies | Yes | \$67.00 | Beta-propiolactone inactivated, A/SW/NC/35922/98. Use in the SIV hemagglutination-inhibition test |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|--|
| Swine influenza virus (SIV) antigen, H3N2 (Tex) | 023-IDV | 2.0 ml | Varies | Yes | \$67.00 | A/SW/TX/1/98 strain, use in the SIV hemagglutination-inhibition test. Beta-propiolactone inactivated. |
| Swine influenza virus (SIV) antigen, variant Rh1n1 (NC) | 027-IDV | 2.0 ml | Varies | Yes | \$67.00 | A/SW/NC/18893/01 strain. Use in the SIV H1N1 hemagglutination-inhibition test. Beta-propiolactone inactivated. |
| Swine influenza virus (SIV) antiserum H1N1 | 301-IDV | 2.0 ml | Varies | Yes | \$115.00 | A/SW/Iowa/73, porcine source |
| Swine influenza virus (SIV) antiserum H1N1 (IA/04) | 328-IDV | 2.0 ml | 30 | Yes | \$115.00 | |
| Swine influenza virus (SIV) antiserum H1N1 (OH/07) | 327-IDV | 2.0 ml | 30 | Yes | \$115.00 | |
| Swine influenza virus (SIV) antiserum H3N2 (NC) | 326-IDV | 2.0 ml | Varies | Yes | \$53.00 | A/SW/NC/35922/98 strain, specific pathogen free, chicken origin |
| Swine influenza virus (SIV) antiserum H3N2 (NC) | 325-IDV | 2.0 ml | varies | Yes | \$115.00 | A/SW/NC/35922/98 strain, porcine origin. Use as a positive control serum in the SIV hemagglutination-inhibition (HI) test. |
| Swine influenza virus (SIV) antiserum H3N2 (Tex) | 323-IDV | 2.0 ml | Varies | Yes | \$53.00 | A/SW/TX/1/98 strain, specific pathogen free, chicken origin |
| Swine influenza virus (SIV) antiserum H3N2 (TX) | 324-IDV | 2.0 ml | varies | Yes | \$115.00 | A/SW/TX/1/98 strain, porcine origin, use as a positive control serum in the SIV hemagglutination-inhibition test |
| Swine influenza virus (SIV) fluorescent antibody conjugate H1N1 | 601-IDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |
| Swine influenza virus (SIV) H1N1 | 003-IDV | 0.6 ml | 1 | Yes | \$33.00 | A/SW/Iowa/73--H1N1, challenge virus for the swine influenza hemagglutination-inhibition test |
| Swine influenza virus (SIV) H3N2 (TX) | 123-IDV | 0.6 ml | 1 | Yes | \$33.00 | A/SW/TX/1/98 strain |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Swine influenza virus (SIV) hemagglutination-inhibition positive control serum (H1N1) | 375-IDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum (H1N1) for SIV hemagglutination-inhibition test (diluted) |
| Swine influenza virus (SIV) rH1N1 (NC variant) | 127-IDV | 0.6 ml | Varies | Yes | \$33.00 | A/Swine/NC/18893/01 |
| Swine influenza virus antigen SIV-AG (H1N1) MX | 124-IDV | 2.0 ml | Varies | Yes | \$67.00 | |
| Swine influenza virus antigen SIV-AG (H1N1) NY | 122-IDV | 2.0 ml | Varies | Yes | \$67.00 | |
| Swine pox virus | 002-PDV | 0.6 ml | Varies | Yes | \$33.00 | Challenge virus - lab strain |
| Swine pox virus antiserum | 302-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Swine pox virus fluorescent antibody conjugate | 602-PDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |
| Theileria equi complement fixation (CF) test antigen | 72 | 1.0 ml | 40 | Yes | \$590.00 | Antigen is used in the complement fixation (CF) test to detect antibodies to theileria equi |
| Theileria equi positive control serum (high titer) | 75-H | 1.0 ml | 40 | Yes | \$139.00 | High titer positive control serum used in serologic tests to detect antibodies to theileria equi |
| Theileria equi positive control serum (low titer) | 75-L | 1.0 ml | 40 | Yes | \$139.00 | Low titer positive control serum used in serologic tests to detect antibodies to theileria equi |
| Transmissible gastroenteritis (TGE) virus | 020-PDV | 0.6 ml | 1 | Yes | \$33.00 | Purdue strain, challenge virus for the TGE virus neutralization test |
| Transmissible gastroenteritis (TGE) virus antiserum | 320-PDV | 2.0 ml | Varies | Yes | \$115.00 | Porcine source |
| Transmissible gastroenteritis (TGE) virus fluorescent antibody conjugate | 620-PDV | 1.0 ml | Varies | Yes | \$80.00 | Porcine source |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|---|--------------|---------------|-------------|----------|------------------|---|
| Transmissible gastroenteritis (TGE) virus neutralization (VN) positive control serum | 325-PDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for Transmissible gastroenteritis (TGE) virus neutralization (VN) test (diluted) |
| Vesicular stomatitis (VS) complement fixation (CF) antigen Indiana | 069-VDV | 1.0 ml | 6 | Yes | \$33.50 | Challenge virus for the vesicular stomatitis (VS) Indiana complement fixation (CF) test |
| Vesicular stomatitis (VS) complement fixation (CF) antigen New Jersey | 075-VDV | 1.0 ml | 6 | Yes | \$33.50 | Challenge virus for the vesicular stomatitis (VS) New Jersey complement fixation (CF) test |
| Vesicular stomatitis (VS) complement fixation (CF) check test | VS-CF | N/A | N/A | Yes | \$394.00 | VS CF check test |
| Vesicular stomatitis (VS) complement fixation (CF) guinea pig complement | 068-VDV | 0.6 ml | N/A | Yes | \$12.00 | Guinea pig complement for vesicular stomatitis (VS) complement fixation (CF) tests |
| Vesicular stomatitis (VS) complement fixation (CF) Indiana positive control serum (bovine) | 374-VDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for vesicular stomatitis (VS) Indiana complement fixation (CF) test (diluted) |
| Vesicular stomatitis (VS) complement fixation (CF) Indiana positive control serum (equine) | 369-VDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for vesicular stomatitis (VS) Indiana complement fixation (CF) test (diluted) |
| Vesicular stomatitis (VS) complement fixation (CF) modifying factor | 376-VDV | 2.0 ml | N/A | Yes | \$40.00 | |
| Vesicular stomatitis (VS) complement fixation (CF) negative control serum | 490-BDV | 2.0 ml | 12 | Yes | \$40.00 | Negative control serum for VS CF tests, equine origin |
| Vesicular stomatitis (VS) complement fixation (CF) negative control serum | 491-BDV | 2.0 ml | 12 | Yes | \$40.00 | Negative control serum for VS CF tests, bovine origin |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|--|
| Vesicular stomatitis (VS) complement fixation (CF) New Jersey positive control serum (bovine) | 368-VDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for vesicular stomatitis (VS) New Jersey complement fixation (CF) test (diluted) |
| Vesicular stomatitis (VS) complement fixation (CF) New Jersey positive control serum (equine) | 375-VDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for vesicular stomatitis (VS) New Jersey complement fixation (CF) test (diluted) |
| Vesicular stomatitis (VS) normal mouse brain complement fixation (CF) antigen | 074-VDV | 1.0 ml | 6 | Yes | \$33.50 | Normal antigen for vesicular stomatitis (VS) complement fixation (CF) test |
| Vesicular stomatitis (VS) PCR positive amplification control RNA | 305-VDV | 50.0 uL | 2000 | Yes | \$84.00 | Extracted RNA from vesicular stomatitis (VS) virus New Jersey (073-VDV-1501) and vesicular stomatitis (VS) virus Indiana-1 (070-VDV-1501). Available to VSV NAHLN approved labs. Requests from other entities considered on a case-by-case basis. |
| Vesicular stomatitis (VS) PCR proficiency test | VS-PCR | 0.7 ml | 3 | Yes | \$394.00 | Vesicular stomatitis PCR proficiency test. Ten (10) 0.7 ml samples containing live virus. Can infect humans. Restricted to NAHLN laboratories identified to conduct testing. Permit required. Available to VSV NAHLN approved labs. Requests from other entities considered on a case-by-case basis. |
| Vesicular stomatitis (VS) virus neutralization (VN) check test | VS-VN | N/A | N/A | Yes | \$394.00 | Virus neutralization (VN) check test |
| Vesicular stomatitis (VS) virus neutralization (VN) Indiana positive control serum | 470-VDV | 2.0 ml | 12 | Yes | \$27.00 | Positive control serum for VS Indiana virus neutralization (VN) test (diluted) |
| Vesicular stomatitis (VS) virus neutralization (VN) negative control serum | 480-BDV | 2.0 ml | 12 | Yes | \$40.00 | Negative control serum for vesicular stomatitis (VS) virus neutralization (VN) tests (diluted), bovine origin |

| Reagent Name | Reagent Code | Amount / Vial | Tests/ Vial | Billable | FY 2018 User Fee | Reagent Description |
|--|--------------|---------------|-------------|----------|------------------|---|
| Vesicular stomatitis (VS) virus neutralization (VN) New Jersey positive control serum | 473-VDV | 2.0 ml | 12 | Yes | \$27.00 | Positive 073-control serum for vesicular stomatitis (VS) New Jersey virus neutralization (VN) test (diluted) |
| Vesicular stomatitis (VS) virus, Indiana (IN) | 070-VDV | 0.6 ml | 1 | Yes | \$33.00 | Chimayo strain, challenge virus for the VS (IN) virus neutralization (VN) test |
| Vesicular stomatitis (VS) virus, New Jersey (NJ) | 073-VDV | 0.6 ml | 1 | Yes | \$33.00 | Atlanta strain, challenge virus for the VS (NJ) virus neutralization (VN) test |
| West nile antiserum for virus neutralization (VN) control (horse) | 336-EDV | 2.0 ml | Varies | Yes | \$336.00 | Use as a positive control serum for performing virus neutralization (VN) or plaque reduction neutralization (PRNT) test for West Nile |
| West nile antiserum IgM capture ELISA (horse) | 335-EDV | 1.0 ml | Varies | Yes | \$168.00 | Use as a positive control serum for IgM capture ELISA test system for equine |
| West nile equine IgM low positive | 330-EDV | 0.5 ml | Varies | Yes | \$84.00 | Use as a low control serum for IgM ELISA test for equine |
| West nile negative antiserum for IgM capture ELISA (horse) | 305-EDV | 1.0 ml | Varies | Yes | \$20.00 | Use as a negative control serum for IgM capture ELISA test system for equine |
| West nile negative antiserum for virus neutralization (VN) (horse) | 306-EDV | 2.0 ml | Varies | Yes | \$40.00 | Use as a negative control serum for performing VN or plaque reduction neutralization (PRN) test for West Nile |
| West nile viral ribonucleic acid (RNA) | 204-EDV | N/A | Varies | Yes | \$28.00 | Use as a positive control for performing a PCR test for West Nile virus |