

# National Veterinary Services Laboratories

## Reagent Manual

Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Anaplasma marginale enzyme-linked immunosorbent assay (ELISA) proficiency test</b>	ANP-CHK	Varies	Varies	Yes	\$394.00	A panel of serum samples is used to monitor proficiency of laboratory personnel.
<b>Anaplasma marginale stabilate, Virginia strain</b>	141-STB	4.5 ml	1	Yes	\$188.00	Virginia strain, stabilate is used to initiate infection in donor animals
<b>Anaplasma ovis stabilate ovine origin, Idaho strain</b>	141-SOV	4.5 ml	1	Yes	\$188.00	Idaho strain - stabilate is used to initiate infection in donor animals
<b>Anaplasmosis card test, complement fixation (CF), and competitive enzyme-linked immunoabsorbent assay (cELISA) negative control serum</b>	146-N	1.0 ml	35	Yes	\$20.00	Reference control serum for the Anaplasmosis card test, CF, and cELISA
<b>Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) high positive control serum</b>	149-H	1.0 ml		Yes	\$66.00	Reference control serum for the Anaplasmosis cELISA
<b>Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) medium positive control serum</b>	149-M	1.0 ml	400	Yes	\$66.00	Reference control serum for the Anaplasmosis cELISA
<b>Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) negative control serum</b>	149-N	1.0 ml		Yes	\$20.00	Reference control serum for the Anaplasmosis cELISA
<b>Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) positive control serum</b>	149-L	2.0 ml		Yes	\$132.00	Reference control serum for the Anaplasmosis cELISA

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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-M	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 - DAdV-1)	004-ADV	0.6 ML		Yes	\$33.00	DAdV-1/chicken/PA/20-005074/2020 Duck Adenovirus 1 (DAdV-1; aka Egg drop 76, adenovirus 127, duck adenovirus)
Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus)	001-ADV	0.6 ml		Yes	\$33.00	Avian adenovirus -127 (Egg drop syndrome-76) Adenovirus Group III
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)

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<b>Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus) antiserum</b>	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
<b>Avian encephalomyelitis (AE) virus</b>	020-ADV	0.6 ml	1	Yes	\$33.00	Embryo-derived virus propagated in chick embryos
<b>Avian Influenza (AI) H5 Mexican RNA</b>	211-ADV	0.05 ml		*	\$84.00	Positive Amplification Control (PAC) for Type A influenza H5 rRT-PCR Assay. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
<b>Avian influenza (AI) H5 transcribed RNA</b>	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. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
<b>Avian influenza (AI) H7 Eurasian RNA</b>	210-ADV	0.05 ml	Varies	*	\$84.00	Avian Influenza (AI) Eurasian H7 & rRT_PCR Positive Control. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
<b>Avian influenza (AI) H7 transcribed RNA</b>	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. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
<b>Avian influenza (AI) matrix transcribed RNA</b>	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. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.

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<b>Avian influenza (AI) proficiency test (AGID or ELISA)</b>	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
<b>Avian influenza (AI) RRT PCR extraction control</b>	206-ADV	5.0 ml	10	*	\$167.50	Extraction control for the AI matrix rRT-PCR assay. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
<b>Avian influenza (AI) RRT PCR extraction control</b>	204-ADV	1.0 ml	Varies	*	\$33.50	Extraction control for the AI matrix rRT-PCR assay. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
<b>Avian influenza immunodiffusion (AIID) negative reference serum</b>	905-ADV	0.6 ml	12	*	\$12.00	Use as a negative reference serum in the AIID test for program/surveillance testing
<b>Avian influenza immunodiffusion (AIID) negative reference serum</b>	905-EXP	0.6 ml	12	Yes	\$12.00	Use as a negative reference serum in the AIID test for export purposes
<b>Avian influenza immunodiffusion (AIID) strong positive reference serum</b>	902-ADV	0.6 ml	12	*	\$11.30	Use as a positive reference serum in the AIID test for program/surveillance testing
<b>Avian influenza immunodiffusion (AIID) strong positive reference serum</b>	902-EXP	0.6 ml	12	Yes	\$11.30	Use as a positive reference serum in the AIID test for export purposes
<b>Avian influenza immunodiffusion (AIID) weak positive reference serum</b>	903-ADV	0.6 ml	12	*	\$11.30	Use as a weak positive reference serum in the AIID test for program/surveillance testing
<b>Avian influenza immunodiffusion (AIID) weak positive reference serum</b>	903-EXP	0.6 ml	12	Yes	\$11.30	Use as a weak positive reference serum in the AIID test for export purposes
<b>Avian influenza virus immunodiffusion (AIID) antigen</b>	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

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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
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 serotype 10 antigen	150-ADV	2.0 ml		Yes	\$67.00	APMV-10, Penguin/Falkland Island/08-000600/2008, beta-propiolactone inactivated
Avian paramyxovirus serotype 10 antiserum	486-ADV	2.0 ml		Yes	\$53.00	APMV-10 Penguin/Falkland Island/08-000600/2008, antiserum
Avian paramyxovirus serotype-2 (APMV-2) virus	171-ADV	0.6 ml	1	Yes	\$33.00	Virus (Chicken/California/Yucaipa/1956 strain) propagated in chicken embryos
Avian paramyxovirus serotype-3 (APMV-3) virus	173-ADV	0.6 ml	1	Yes	\$33.00	Virus (Turkey/Wisconsin/1968 strain) propagated in chick embryos
Avian paramyxovirus type 1 rRT-PCR extraction control	207-ADV	5.0 ml	10	*	\$167.50	Extraction control for the APMV-1 matrix rRT-PCR assay. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
Avian paramyxovirus type 1 rRT-PCR extraction control	205-ADV	1.0 ml	Varies	*	\$16.75	Extraction control for the APMV-1 matrix rRT-PCR assay. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
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)

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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 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 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

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<b>Avian paramyxovirus type 9 antiserum</b>	485-ADV	2.0 ml	N/A	Yes	\$53.00	Antiserum, APMV-9, DK/NY/22/78
<b>Avian reovirus</b>	080-ADV	0.6 ml	1	Yes	\$33.00	Cell culture virus (Fahey-Crawley strain) propagated in chicken embryo kidney cells
<b>Avian reovirus antiserum</b>	380-ADV	2.0 ml	Varies	Yes	\$53.00	Antiserum prepared in chickens against Fahey-Crawley strain
<b>Avian reovirus fluorescent antibody (FA) conjugate</b>	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)
<b>Babesia caballi ELISA and western blot positive control sera</b>	77-ELW	1.0 ml		Yes	\$139.00	Babesia caballi ELISA and western blot positive control sera
<b>Babesia caballi positive control serum (high titer)</b>	77-H	1.0 ml	40	Yes	\$139.00	High titer positive control serum used in serologic tests to detect antibodies to babesia caballi
<b>Babesia caballi positive control serum (low titer)</b>	77-L	1.0 ml	40	Yes	\$139.00	Low titer positive control serum used in serologic tests to detect antibodies to babesia caballi
<b>Bacillus anthracis Gamma phage</b>	BAN-001	1.0 ml		Yes	\$140.00	Gamma bacteriophage for diagnosis of Bacillus anthracis
<b>Bacteriology Internal Quality Assurance Survey Kit</b>	CHK-CUL	N/A	N/A	Yes	\$189.00	Internal Bacteriology Quality Assurance Survey
<b>Bluetongue antibody negative OIE reference serum</b>	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.
<b>Bluetongue check test</b>	BT-CHK	N/A	N/A	Yes	\$394.00	Bluetongue proficiency check test
<b>Bluetongue modifying factor, bovine or avian normal serum</b>	69	2.0 ml		Yes	\$40.00	Use in BT or EHD modified complement fixation test
<b>Bluetongue negative serum</b>	901-ODV	2.0 ml		Yes	\$40.00	Bluetongue negative antiserum

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<b>Bluetongue virus (OIE) strong positive reference serum (ELISA, AGID) - International orders only</b>	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.
<b>Bluetongue virus (OIE) weak positive reference serum (ELISA, AGID) - International orders only</b>	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.
<b>Bluetongue virus fluorescent antibody (FA) conjugate</b>	601-ODV	1.0 ml	Varies	Yes	\$80.00	Produced from goat-origin serum
<b>Bluetongue virus serotype 10</b>	001-ODV	0.6 ml	Varies	Yes	\$33.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 10 antiserum</b>	301-ODV	2.0 ml	Varies	Yes	\$139.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 11</b>	002-ODV	0.6 ml	Varies	Yes	\$33.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 11 antiserum</b>	302-ODV	2.0 ml	Varies	Yes	\$139.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 13</b>	003-ODV	0.6 ml	Varies	Yes	\$33.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 13 antiserum</b>	303-ODV	2.0 ml	Varies	Yes	\$139.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 17</b>	004-ODV	0.6 ml	Varies	Yes	\$33.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 17 antiserum</b>	304-ODV	2.0 ml	Varies	Yes	\$139.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 2</b>	005-ODV	0.6 ml	Varies	Yes	\$33.00	For virus production and VN assays; North American strain

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<b>Bluetongue virus serotype 2 antiserum</b>	305-ODV	2.0 ml	Varies	Yes	\$139.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus strong positive reference serum</b>	902-ODV	2.0 ml	Varies	Yes	\$27.00	Agar gel immunodiffusion control serum--bovine origin
<b>Bluetongue virus weak positive reference serum</b>	903-ODV	2.0 ml	Varies	Yes	\$27.00	Agar gel immunodiffusion control serum--bovine origin
<b>Bovine adenovirus type A</b>	001-BDV	0.6 ml	1	Yes	\$33.00	f/k/a Bovine Adenovirus Type 1, Strain #10--ATCC VR-313
<b>Bovine adenovirus type A antiserum</b>	301-BDV	2.0 ml	Varies	Yes	\$139.00	f/k/a Bovine Adenovirus Type 1 antiserum, gnotobiotic calf serum
<b>Bovine adenovirus type D</b>	005-BDV	0.6 ml	1	Yes	\$33.00	f/k/a Bovine adenovirus type 5, Strain B4/65--ATCC VR-641
<b>Bovine adenovirus type D antiserum</b>	305-BDV	2.0 ml	Varies	Yes	\$139.00	f/k/a Bovine Adenovirus Type 5 antiserum, gnotobiotic calf serum
<b>Bovine coronavirus fluorescent antibody conjugate</b>	620-BDV	1.0 ml	Varies	Yes	\$80.00	Bovine source
<b>Bovine enterovirus -1</b>	030-BDV	0.6 ml	Varies	Yes	\$33.00	Strain LCR 4 ATCC VR-248
<b>Bovine enterovirus -1 antiserum</b>	330-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
<b>Bovine enterovirus -2</b>	031-BDV	0.6 ml	Varies	Yes	\$33.00	Strain M2 ATCC VR-754
<b>Bovine enterovirus -2 antiserum</b>	331-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
<b>Bovine enterovirus -3</b>	032-BDV	0.6 ml	Varies	Yes	\$33.00	Strain PS 89 ATCC VR-755
<b>Bovine enterovirus -3 antiserum</b>	332-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
<b>Bovine enterovirus -4</b>	033-BDV	0.6 ml	Varies	Yes	\$33.00	Strain M4 ATCC VR-756
<b>Bovine enterovirus -4 antiserum</b>	333-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
<b>Bovine enterovirus -5</b>	034-BDV	0.6 ml	Varies	Yes	\$33.00	Strain PS 83 ATCC VR-757

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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
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

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<b>Bovine leukosis proficiency check test</b>	BLV-CHK	N/A	N/A	Yes	\$394.00	Bovine leukosis proficiency check test
<b>Bovine leukosis virus strong positive serum</b>	902-BDV	2.0 ml	Varies	Yes	\$27.00	Bovine origin--agar gel immunodiffusion control
<b>Bovine leukosis virus weak positive serum</b>	903-BDV	2.0 ml	Varies	Yes	\$27.00	Bovine origin--agar gel immunodiffusion control
<b>Bovine papular stomatitis virus</b>	080-BDV	0.6 ml	1	Yes	\$33.00	Field isolate--Texas A&M, 1976
<b>Bovine papular stomatitis virus antiserum</b>	380-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
<b>Bovine papular stomatitis virus fluorescent antibody conjugate</b>	680-BDV	1.0 ml	Varies	Yes	\$80.00	Bovine source
<b>Bovine parvovirus</b>	090-BDV	0.6 ml	1	Yes	\$33.00	Washington strain
<b>Bovine parvovirus antiserum</b>	390-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
<b>Bovine parvovirus fluorescent antibody conjugate</b>	690-BDV	1.0 ml	Varies	Yes	\$80.00	Bovine source
<b>Bovine respiratory syncytial virus</b>	110-BDV	0.6 ml	1	Yes	\$33.00	Strain A51908--ATCC VR-794
<b>Bovine respiratory syncytial virus (BRSV) virus neutralization (VN) positive control serum</b>	415-BDV	2.0 ml	12	Yes	\$27.00	Positive control serum for the BRSV VN test (diluted)
<b>Bovine respiratory syncytial virus antiserum</b>	410-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
<b>Bovine respiratory syncytial virus fluorescent antibody conjugate</b>	710-BDV	1.0 ml	Varies	Yes	\$80.00	Bovine source
<b>Bovine rotavirus</b>	130-BDV	0.6 ml	1	Yes	\$33.00	Nebraska strain
<b>Bovine rotavirus antiserum</b>	430-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Bovine rotavirus fluorescent antibody conjugate</b>	730-BDV	1.0 ml	Varies	Yes	\$80.00	Bovine source
<b>Bovine viral diarrhea (BVD) fluorescent antibody (FA) conjugate</b>	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
<b>Bovine viral diarrhea (BVD) fluorescent antibody (FA) conjugate</b>	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
<b>Bovine viral diarrhea (BVD) type 1 virus neutralization (VN) positive control serum</b>	455-BDV	2.0 ml	12	Yes	\$27.00	Positive control serum for BVD type 1 VN test (diluted)
<b>Bovine viral diarrhea (BVD) type 2 virus neutralization (VN) positive control serum</b>	546-BDV	2.0 ml	12	Yes	\$27.00	Positive control serum for BVD type 2 VN test (diluted)
<b>Bovine viral diarrhea virus (125 strain)</b>	145-BDV	0.6 ml	1	Yes	\$33.00	Strain 125--genotype 2--cytopathic
<b>Bovine viral diarrhea virus (Draper strain)</b>	141-BDV	0.6 ml	1	Yes	\$33.00	Draper strain type 1a--noncytopathic
<b>Bovine viral diarrhea virus (NADL strain)</b>	143-BDV	0.6 ml	1	Yes	\$33.00	NADL strain type 1a--cytopathic
<b>Bovine viral diarrhea virus (New York -1)</b>	142-BDV	0.6 ml	1	Yes	\$33.00	New York-1 strain type 1b--noncytopathic
<b>Bovine viral diarrhea virus (Oregon strain)</b>	144-BDV	0.6 ml	1	Yes	\$33.00	Oregon C24v strain type 1a--cytopathic
<b>Bovine viral diarrhea virus (Singer strain)</b>	140-BDV	0.6 ml	1	Yes	\$33.00	Singer strain type 1a--cytopathic
<b>Bovine viral diarrhea virus antiserum</b>	440-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source--multivalent

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Brucella abortus control serum</b>	12-	1.0 ml		Yes	\$66.00	Control used for Brucellosis serological tests. See <a href="http://www.aphis.usda.gov/animal_health/lab_info_services/downloads/BrucellaAbortusControlSerum.pdf">www.aphis.usda.gov/animal_health/lab_info_services/downloads/BrucellaAbortusControlSerum.pdf</a> for a current list of positive and negative control samples.
<b>Brucella abortus control serum - Brucella abortus complement fixation (CF) high positive control serum</b>	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
<b>Brucella abortus control serum - Brucella abortus complement fixation (CF) high positive control serum</b>	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.
<b>Brucella abortus control serum - Brucella abortus complement fixation (CF) low positive control serum</b>	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
<b>Brucella abortus control serum - Brucella abortus complement fixation (CF) low positive control serum</b>	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.
<b>Brucella abortus control serum - Brucella abortus complement fixation (CF) negative control serum</b>	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.
<b>Brucella abortus control serum - Brucella abortus complement fixation (CF) negative control serum</b>	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
<b>Brucella abortus RB51</b>	19	N/A	N/A	Yes	\$249.00	Culture used for the production of Brucella abortus RB51 vaccine
<b>Brucella antigen - Brucella abortus card test antigen, buffered Brucella antigen (BBA), or Rose Bengal (RB) antigen</b>	10-S	60.0 ml	2000	*	\$165.00	Antigen is used in the card test

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<b>Brucella antigen - Brucella abortus card test antigen, buffered Brucella antigen--(BBA), or Rose Bengal (RB) antigen</b>	150-AMP	18.0 ml	500	*	\$49.50	Antigen is used with the brucellosis card test kit (150-KIT)
<b>Brucella antigen - Brucella abortus complement fixation (CF) test antigen and standard tube test (STT) antigen</b>	3	60.0 ml	1500	*	\$165.00	Antigen used for the Brucella standard tube test (STT) and complement fixation (CF) test
<b>Brucella antigen - Brucella abortus ring test antigen (BRT)</b>	5-30	30.0 ml	250	*	\$131.50	Antigen used in the Brucellosis milk ring test
<b>Brucella antigen - Brucella abortus ring test antigen (BRT) (HIRT)</b>	5	60.0 ml	500	*	\$263.00	Antigen used in the Brucellosis milk ring test
<b>Brucella antigen - Brucella abortus standard plate antigen (SPT)</b>	1	60.0 ml	500	*	\$165.00	Antigen used in the standard plate test (SPT)
<b>Brucella antigen - Brucella abortus tube antigen</b>	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.
<b>Brucella antigen - Brucella canis 2-ME tube agglutination antigen</b>	17	25.0 ml	500	Yes	\$124.00	Antigen used for the Brucella canis 2-Mercaptoethanol (ME) tube agglutination test
<b>Brucella antigen - Brucella ovis enzyme-linked immunosorbent assay (ELISA) antigen and complement fixation (CF) antigen</b>	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
<b>Brucella antigen - Brucellosis card test kit without antigen</b>	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.

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Brucella antigen - buffered Brucella antigen</b>	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
<b>Brucella antigen - buffered Brucella antigen</b>	10-G	60.0 ml	2000	*	\$165.00	3% cell concentration for testing small ruminants on the brucella card test
<b>Brucella antigen - buffered Brucella plate antigen (BAPA test)</b>	2	60.0 ml	200	*	\$188.00	Antigen used in the buffered Brucella acidified plate antigen (BAPA test)
<b>Brucella control serum - Brucella canis high titer positive control serum</b>	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
<b>Brucella control serum - Brucella canis negative control serum</b>	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
<b>Brucella control serum - Brucella ovis enzyme-linked immunosorbent assay (ELISA) high positive control serum</b>	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
<b>Brucella control serum - Brucella ovis enzyme-linked immunosorbent assay (ELISA) low positive control</b>	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
<b>Brucella control serum - Brucella ovis enzyme-linked immunosorbent assay (ELISA) negative control serum</b>	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
<b>Brucella control serum - Brucella ovis hill's complement fixation (CF) high positive control serum</b>	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.
<b>Brucella control serum - Brucella ovis hill's complement fixation (CF) low positive control serum</b>	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).

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Brucella control serum - Brucella ovis hill's complement fixation (CF) medium positive control serum</b>	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).
<b>Brucella control serum - Brucella ovis hill's complement fixation (CF) negative control serum</b>	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.
<b>Brucella control serum - Brucella suis positive control serum</b>	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.
<b>Brucella control serum - Brucella suis, negative control serum</b>	712-N	1.0 ml	Varies	Yes	\$20.00	Swine brucellosis negative control serum
<b>Brucella culture - Brucella abortus strain 1119-3 original seed</b>	16	1.0 ml	N/A	Yes	\$249.00	Culture used for the production of Brucella abortus antigens
<b>Brucella culture - Brucella abortus strain 19 original seed</b>	15	1.0 ml	N/A	Yes	\$249.00	Culture used for the production of Brucella abortus strain 19 vaccine
<b>Brucella isolate - select agent - multiple species available</b>	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.
<b>Brucella isolate non select agent - multiple species available</b>	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
<b>Brucella killed cells suspended in saline or phenol saline</b>	18	5.0 ml	N/A	Yes	\$20.00	B. abortus Strain 1119-3, Brucella killed cells suspended in saline or phenol saline
<b>Brucella phage Fi</b>	BP-FI	1.0 ml	N/A	Yes	\$249.00	Host strain = B. abortus strain 19
<b>Brucella phage R/C</b>	BP-RC	1.0 ml	N/A	Yes	\$249.00	Host strain = B. canis strain RM6/66
<b>Brucella phage tbilisi</b>	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

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Brucella phage Wb</b>	BP-WB	1.0 ml	N/A	Yes	\$249.00	Host strains = B. abortus strain 19 and B. suis strain 1330
<b>Brucella proficiency test - Brucella abortus check test serum</b>	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.
<b>Brucella species cells, non-viable</b>	BRU-NV	Varies	N/A	Yes	\$112.00	Brucella species cells, non-viable. Various species available. Call (515) 337-7388 for availability
<b>Brucella species DNA</b>	BRU-DNA	Varies	N/A	Yes	\$140.00	Brucella species DNA. Various species available. Call (515) 337-7388 for availability
<b>Brucellosis card test replacement cards</b>	150-CRD	50/package	500	*	\$33.00	Replacement cards
<b>Cache valley antiserum</b>	383-ODV	2.0 ml		Yes	\$139.00	For use in Virus Neutralization (VN) testing
<b>Calici-1 antiserum strain 1</b>	301-CDV	2.0 ml	Varies	Yes	\$27.00	Calici-1 San Miguel sea lion virus type 1 virus neutralization (VN) positive control serum
<b>Calici-1 San Miguel sea lion virus type 1</b>	001-CDV	0.6 ml	1	Yes	\$33.00	San Miguel sea lion virus type 1
<b>Calici-13 antiserum strain 13</b>	313-CDV	2.0 ml	Varies	Yes	\$27.00	Calici-13 San Miguel sea lion virus type 13 virus neutralization (VN) positive control serum
<b>Calici-13 San Miguel sea lion virus type 13</b>	013-CDV	0.6 ml	1	Yes	\$33.00	San Miguel sea lion virus type 13
<b>Calici-14 antiserum strain 14</b>	314-CDV	2.0 ml	Varies	Yes	\$27.00	Calici-14 San Miguel sea lion virus type 14 virus neutralization (VN) positive control serum
<b>Calici-14 San Miguel sea lion virus type 14</b>	014-CDV	0.6 ml	1	Yes	\$33.00	San Miguel sea lion virus type 14
<b>Calici-2 antiserum strain 2</b>	302-CDV	2.0 ml	Varies	Yes	\$27.00	Calici-2 San Miguel sea lion virus type 2 virus neutralization (VN) positive control serum

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
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
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	

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
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 - 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	
Cell line - Porcine kidney (Circovirus Free) PK-15N	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	
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

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Chlamydomydia psittaci (cell culture) agent</b>	002-RDV	0.3 ml	1	Yes	\$33.00	Use as a positive control for the isolation of Chlamydia psittaci in cell culture
<b>Chlamydomydia psittaci normal antigen for complement fixation test</b>	004-RDV	1.0 ml	Varies	Yes	\$55.00	Normal cell culture antigen
<b>Chronic wasting disease immunohistochemistry control block</b>	CWS-CB			*	\$0.00	Positive chronic wasting disease and/or scrapie brain and lymph tissue and Not Detected brain in a paraffin block, used for IHC scrapie and CWD controls, includes a stained slide; appropriate permit(s) required.
<b>Contagious equine metritis (CEM) Amies transport medium with charcoal</b>	CEM-001	1 swab	1	Yes	\$1.25	For transportation of equine swabs to NVSL for CEM culture. Must be refrigerated during shipment.
<b>Contagious equine metritis (CEM) high titer control serum</b>	79-H	5.0 ml	N/A	Yes	\$330.00	CEM high positive control serum
<b>Contagious equine metritis (CEM) plates - Eugon Agar w/10% chocolate horse blood</b>	CEM-332	1 plate	1	Yes	\$3.50	Plates used to isolate CEM (Taylorella equigenitalis). Contact laboratory with all RUSH orders (515) 337-7565.
<b>Contagious equine metritis (CEM) plates - Selective inhibitors/modified Timoney Shin</b>	CEM-331	1 plate	1	Yes	\$3.50	Plates used to isolate CEM (Taylorella equigenitalis). Contact laboratory with all RUSH orders (515) 337-7565.
<b>Contagious equine metritis (CEM) proficiency test panel</b>	CEM-CHK	N/A	N/A	Yes	\$189.00	Proficiency test for Contagious Equine Metritis (CEM). Conducted yearly, contact laboratory at (515) 337-7565.
<b>Contagious equine metritis (CEM) small tipped swabs - includes Amies transport media</b>	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.
<b>Contagious equine metritis (CEM) uterine swab - includes Amies transport media</b>	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.

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<b>Dourine (Trypanosoma equiperdum) complement fixation test (CF) antigen</b>	160	1.0 ml	50	Yes	\$97.00	Antigen is used in the complement fixation (CF) test for detection of antibodies to Trypanosoma equiperdum.
<b>Dourine low positive control serum</b>	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
<b>Dourine positive control serum</b>	161-H	1.0 ml	40	Yes	\$139.00	High titer positive control serum used in serologic tests to detect antibodies to Trypanosoma equiperdum
<b>Duck viral enteritis (DVE) antiserum</b>	331-ADV	2.0 ml	Varies	Yes	\$53.00	Antiserum prepared in Muscovy ducks against Holland B vaccine strain
<b>Duck viral enteritis (DVE) fluorescent antibody (FA) conjugate</b>	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)
<b>Duck viral enteritis (DVE) virus Holland B vaccine strain</b>	031-ADV	0.6 ml	1	Yes	\$33.00	Cell culture virus propagated in duck embryo fibroblast cells
<b>Encephalomyocarditis (EMC) virus neutralization (VN) positive control serum</b>	315-MDV	2.0 ml	12	Yes	\$27.00	Positive control serum for EMC VN test (diluted)
<b>Encephalomyocarditis virus (EMC)</b>	001-MDV	0.6 ml	1	Yes	\$33.00	Florida strain, challenge virus for the EMC virus neutralization test
<b>Encephalomyocarditis virus (Hawaii field isolate)</b>	003-MDV	0.6 ml	1	Yes	\$33.00	Field isolate from Hawaii--1988
<b>Encephalomyocarditis virus (Puerto Rico isolate)</b>	002-MDV	0.6 ml	1	Yes	\$33.00	Field isolate from Puerto Rico--1990
<b>Encephalomyocarditis virus antiserum</b>	301-MDV	2.0 ml	Varies	Yes	\$115.00	Porcine source
<b>Encephalomyocarditis virus fluorescent antibody conjugate</b>	601-MDV	1.0 ml	Varies	Yes	\$80.00	Porcine source

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Eperythrozoon wenyoni agar gel immunodiffusion (AGID) enhancement serum</b>	402-M	1.0 ml	30	Yes	\$590.00	Enhancement serum for use in the agar gel immunodiffusion (AGID) test for Eperythrozoon wenyoni detection
<b>Eperythrozoon wenyoni complement fixation (CF) test antigen</b>	400-CF	2.0 ml	20	Yes	\$1,180.00	Antigen used in the complement fixation (CF) test to detect antibodies to Eperythrozoon wenyoni
<b>Eperythrozoon wenyoni complement fixation (CF) test high titer serum</b>	402-H	1.0 ml	40	Yes	\$139.00	High titer positive control used in serologic tests to detect antibodies to Eperythrozoon wenyoni
<b>Eperythrozoon wenyoni complement fixation (CF) test low titer serum</b>	402-L	1.0 ml	40	Yes	\$139.00	Low titer positive control used in serologic tests to detect antibodies to Eperythrozoon wenyoni
<b>Epizootic Hemorrhagic Disease (EHD) agar gel immunodiffusion (AGID) antiserum - EHDV Serotype 2</b>	345-ODV	3.0 ml	60	Yes	\$208.50	Use as a positive control serum with Epizootic Hemorrhagic Disease (EHD) AGID virus-must be ordered and used in matched sets (same lot numbers) with virus 045-ODV
<b>Epizootic Hemorrhagic Disease (EHD) agar gel immunodiffusion (AGID) virus - EHDV Serotype 2</b>	045-ODV	1.0 ml	60	Yes	\$55.00	Use to detect antibodies to Epizootic Hemorrhagic Disease (EHD) by the AGID test-must be ordered and used in matched sets (same lot numbers) with antiserum 345-ODV
<b>Epizootic Hemorrhagic Disease (EHD) negative reference serum</b>	145-ODV	2.0	Varies	Yes	\$40.00	Agar gel immunodiffusion control negative serum - bovine origin
<b>Epizootic Hemorrhagic Disease (EHD) weak positive reference serum</b>	945-ODV	2.0 ml	Varies	Yes	\$49.00	Agar gel immunodiffusion control serum - bovine origin
<b>Epizootic hemorrhagic disease virus</b>	041-ODV	0.6 ml	Varies	Yes	\$33.00	Type 2--Alberta
<b>Epizootic hemorrhagic disease virus</b>	040-ODV	0.6 ml	Varies	Yes	\$33.00	Type 1--New Jersey
<b>Epizootic hemorrhagic disease virus antiserum</b>	340-ODV	2.0 ml	Varies	Yes	\$139.00	Type 1 specific--bovine origin
<b>Epizootic hemorrhagic disease virus antiserum</b>	341-ODV	2.0 ml	Varies	Yes	\$139.00	Type 2 specific--bovine origin

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Epizootic hemorrhagic disease virus fluorescent antibody conjugate</b>	640-ODV	1.0 ml	Varies	Yes	\$80.00	Produced from goat-origin antiserum, for use on cell cultures or tissue sections
<b>Equine adenovirus</b>	001-EDV	0.6 ml	1	Yes	\$33.00	Horse cell culture for production of stock virus
<b>Equine adenovirus fluorescent antibody conjugate</b>	601-EDV	1.0 ml	Varies	Yes	\$80.00	For use on cell cultures or tissue sections
<b>Equine herpesvirus (EHV) 1 antiserum (porcine origin)</b>	340-EDV	2.0 ml	Varies	Yes	\$49.00	Positive control for virus neutralization (VN) test - heat inactivated
<b>Equine herpesvirus (EHV) 1 fluorescent antibody conjugate</b>	640-EDV	1.0 ml	Varies	Yes	\$80.00	For use on cell cultures or tissue sections
<b>Equine herpesvirus (EHV) 1 virus, equine viral rhinopneumonitis</b>	040-EDV	0.6 ml	1	Yes	\$33.00	For production of stock virus
<b>Equine herpesvirus (EHV) 1 virus, wild-type</b>	045-EDV	0.6 ml	Varies	Yes	\$33.00	Equine herpesvirus 1, wild-type (ORF30A); for PCR control
<b>Equine herpesvirus (EHV) 2 antiserum (porcine origin)</b>	341-EDV	2.0 ml	Varies	Yes	\$49.00	Positive control for virus neutralization (VN) test - heat inactivated
<b>Equine herpesvirus (EHV) 3 antiserum (porcine origin)</b>	342-EDV	2.0 ml	Varies	Yes	\$49.00	Positive control for virus neutralization (VN) test - heat inactivated
<b>Equine herpesvirus (EHV) 4 virus, respiratory herpesvirus, equine origin cell culture</b>	044-EDV	0.6 ml	N/A	Yes	\$33.00	For production of stock virus
<b>Equine herpesvirus (EHV) negative control serum (equine origin)</b>	343-EDV	2.0 ml	Varies	Yes	\$40.00	Negative control for the EH virus neutralization (VN) test for types 1 and 3 - heat inactivated
<b>Equine infectious anemia (EIA) check test</b>	EIA-CHK	N/A	N/A	Yes	\$394.00	Proficiency test for equine infectious anemia certification
<b>Equine infectious anemia (EIA) negative serum</b>	905-EDV	2.0 ml	Varies	Yes	\$40.00	Control for the agar gel immunodiffusion (AGID) test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Equine infectious anemia (EIA) strong positive serum</b>	902-EDV	2.0 ml	Varies	Yes	\$49.00	Control for the agar gel immunodiffusion (AGID) test
<b>Equine infectious anemia (EIA) weak positive serum</b>	903-EDV	2.0 ml	Varies	Yes	\$49.00	Control for the agar gel immunodiffusion (AGID) test. Only 5 vials will be approved per order.
<b>Equine influenza antigen type 1 A/Equine/Prague/56</b>	121-IDV	2.0 ml	Varies	Yes	\$28.00	Antigen for type A1 equine influenza. Produced in specific pathogen free eggs.
<b>Equine influenza antigen type 2 Miami strain A/EQ/Miami/1/63</b>	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.
<b>Equine influenza antigen type 2 Ohio strain A/EQ/OH/03</b>	141-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.
<b>Equine influenza antigen type 2 Richmond strain A EQ/Rich/07</b>	142-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.
<b>Equine influenza virus A-2 Alaska</b>	020-IDV	0.6 ml	Varies	Yes	\$33.00	A-2 Alaska/91 seed virus, egg origin
<b>Equine influenza virus A-2 Kentucky</b>	040-IDV	0.6 ml	Varies	Yes	\$33.00	A-2 Kentucky/81 seed virus
<b>Equine influenza virus A-2 Miami</b>	060-IDV	0.6 ml	Varies	Yes	\$33.00	A-2 Miami/63 seed virus
<b>Equine influenza virus antiserum A-1 Prague</b>	321-IDV	2.0 ml	Varies	Yes	\$53.00	A-1 Prague, positive control for hemagglutination-inhibition test
<b>Equine influenza virus antiserum A-2 Kentucky</b>	340-IDV	2.0 ml	Varies	Yes	\$53.00	A-2 Kentucky, positive control for hemagglutination-inhibition test
<b>Equine influenza virus antiserum A-2 Miami</b>	360-IDV	2.0 ml	Varies	Yes	\$53.00	A-2 Miami, positive control for hemagglutination-inhibition test
<b>Equine influenza virus antiserum A-2 Ohio</b>	341-IDV	2.0 ml	Varies	Yes	\$53.00	Positive control serum to EQ FLU OH 03 141IDV

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Equine influenza virus antiserum A-2 Richmond</b>	342-IDV	2.0 ml	Varies	Yes	\$53.00	Positive control serum to EQ FLU Rich07 142IDV
<b>Equine negative serum - piroplasmosis, dourine, and glanders</b>	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
<b>Equine piroplasmosis cELISA proficiency test</b>	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.
<b>Equine rhinitis A antiserum, rabbit origin (equine rhinovirus type 1)</b>	360-EDV	2.0 ml	Varies	Yes	\$112.00	Positive control for virus neutralization (VN) test
<b>Equine rhinitis A equine origin cell culture (equine rhinovirus type 1)</b>	060-EDV	0.6 ml	1	Yes	\$33.00	For production of stock virus
<b>Equine rhinitis type B1 antiserum rabbit origin (equine rhinovirus type 2)</b>	361-EDV	2.0 ml	Varies	Yes	\$112.00	Positive control for virus neutralization (VN) test
<b>Equine rhinitis type B1 virus (equine rhinovirus type 2)</b>	061-EDV	0.6 ml	1	Yes	\$33.00	For production of viral stock
<b>Equine viral arteritis (EVA) antibody</b>	371-EDV	2.0 ml	N/A	Yes	\$49.00	EVA weak positive reference serum
<b>Equine viral arteritis (EVA) antiserum</b>	370-EDV	2.0 ml	Varies	Yes	\$49.00	Positive control for virus neutralization (VN) and indirect fluorescent antibody (IFA) tests
<b>Equine viral arteritis (EVA) check test</b>	EVA-CHK	N/A	N/A	Yes	\$394.00	Proficiency test for Equine viral arteritis (EVA)
<b>Equine viral arteritis (EVA) negative control serum</b>	372-EDV	2.0 ml	Varies	Yes	\$40.00	Negative control for the EVA virus neutralization (VN) test
<b>Equine viral arteritis (EVA) virus</b>	070-EDV	0.6 ml	1	Yes	\$33.00	CVL Bucyrus strain

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
Flazo orange counterstain	29	3.0 ml	Varies	Yes	\$14.00	Counterstain to quench background fluorescence in fluorescent antibody testing
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

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
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
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, H5N1	137-ADV	2.0 ml		Yes	\$197.00	2022 US H5N1 HPAI isolate (A/American wigeon/South Carolina/22-000345-001/2021 HPAI H5N1 inactivated antigen)
Highly pathogenic avian influenza (HPAI) inactivated antigen, H5N2	134-ADV	2.0 ml		Yes	\$197.00	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	\$197.00	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	2.0 ml		Yes	\$197.00	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			*	\$0.00	This reagent is no longer available at NVSL
Infectious bursal disease (IBD) agar gel immunodiffusion (AGID) antiserum	421-ADV			*	\$0.00	This reagent is no longer available at NVSL
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

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Infectious laryngotracheitis (ILT) fluorescent antibody (FA) conjugate</b>	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.
<b>Infectious laryngotracheitis (ILT) virus</b>	033-ADV	0.6 ml	1	Yes	\$33.00	Cell culture virus (strain Cover) propagated in chick embryo kidney cells
<b>Infectious laryngotracheitis (ILT) virus antiserum</b>	333-ADV	2.0 ml	Varies	Yes	\$53.00	Antiserum prepared in chickens against LT 83-2 strain
<b>Influenza A virus - swine (IAV-S) antiserum H1N1 (CA/2009)</b>	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.
<b>Influenza A virus - swine (IAV-S) antiserum H1N1 (IL/2005)</b>	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.
<b>Influenza A virus - swine (IAV-S) antiserum H1N1 (KY/2008)</b>	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.
<b>Influenza A virus - swine (IAV-S) antiserum H1N2 (SD/2013)</b>	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.
<b>Influenza A virus - swine (IAV-S) antiserum H3N1 (MO/2014)</b>	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.
<b>Influenza A virus - swine (IAV-S) antiserum H3N2 (IA/2014)</b>	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.
<b>Influenza A virus - swine (IAV-S) antiserum H3N2 (NY/2011)</b>	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.
<b>Johne's Sera</b>	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)

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<b>Leptospira microscopic agglutination negative control serum</b>	LEP-NEG	2.0 ml	Varies	Yes	\$40.00	Used as a negative control for the Leptospira microscopic agglutination test
<b>Leptospira multivalent fluorescent antibody conjugate, rabbit origin</b>	LEP-FAC	1.0 ml	Varies	Yes	\$105.00	Rabbit origin multivalent fluorescent antibody conjugate (FITC-bound)
<b>Leptospira reference antiserum, rabbit origin, 200+ strains other than those listed for MAT purposes</b>	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
<b>Leptospira reference cultures, semi-solid or liquid form, 200+ strains other than those listed</b>	LEP-CUL	6.0/10.0 ml	Varies	Yes	\$79.00	Reference strains of Leptospira generally not used in microscopic agglutination testing; contact laboratory regarding serovar/strain availability at (515) 337-7565
<b>Leptospira reference serovar Australis, strain Ballico, liquid culture</b>	ARL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Australis, strain Ballico, rabbit antiserum</b>	ARA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Australis, strain Ballico, semi-solid culture</b>	ARS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Autumnalis, strain Akiyami A, liquid culture</b>	ATL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Autumnalis, strain Akiyami A, rabbit antiserum</b>	ATA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Autumnalis, strain Akiyami A, semi-solid culture</b>	ATS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Leptospira reference serovar Ballum, strain S 102, liquid culture</b>	BML-011	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Ballum, strain S 102, rabbit antiserum</b>	BMA-011	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Ballum, strain S 102, semi-solid culture</b>	BMS-011	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Bataviae, strain Van Tienen, liquid culture</b>	BTL-020	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Bataviae, strain Van Tienen, rabbit antiserum</b>	BTA-020	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Bataviae, strain Van Tienen, semi-solid culture</b>	BTS-020	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Bratislava, strain Jez Bratislava, liquid culture</b>	ARL-050	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Bratislava, strain Jez Bratislava, rabbit antiserum</b>	ARA-050	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Bratislava, strain Jez Bratislava, semi-solid culture</b>	ARS-050	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Canicola, strain Hond Utrecht IV, liquid culture</b>	CAL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test

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<b>Leptospira reference serovar Canicola, strain Hond Utrecht IV, rabbit antiserum</b>	CAA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Canicola, strain Hond Utrecht IV, semi-solid culture</b>	CAS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Copenhageni (Ictero reference), strain M-20, liquid culture</b>	ICL-020	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Copenhageni (Ictero reference), strain M-20, rabbit antiserum</b>	ICA-020	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Copenhageni (Ictero reference), strain M-20, semi-solid culture</b>	ICS-020	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Grippotyphosa, strain Andaman, liquid culture</b>	GRL-020	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Grippotyphosa, strain Andaman, rabbit antiserum</b>	GRA-020	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Grippotyphosa, strain Andaman, semi-solid culture</b>	GRS-020	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Hardjo, strain Hardjoprajtino, liquid culture</b>	SJL-060	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Hardjo, strain Hardjoprajtino, rabbit antiserum</b>	SJA-060	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Leptospira reference serovar Hardjo, strain Hardjoprajitino, semi-solid culture</b>	SJS-060	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Hebdomadis, strain Hebdomadis, liquid culture</b>	HBL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Hebdomadis, strain Hebdomadis, rabbit antiserum</b>	HBA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Hebdomadis, strain Hebdomadis, semi-solid culture</b>	HBS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Pomona, strain Pomona, liquid culture</b>	POL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Pomona, strain Pomona, rabbit antiserum</b>	POA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Pomona, strain Pomona, semi-solid culture</b>	POS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Pyrogenes, strain Salinem, liquid culture</b>	PYL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Pyrogenes, strain Salinem, rabbit antiserum</b>	PYA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Leptospira reference serovar Pyrogenes, strain Salinem, semi-solid culture</b>	PYS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Sejroe, strain M 84, liquid culture</b>	SJL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Sejroe, strain M 84, rabbit antiserum</b>	SJA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Sejroe, strain M 84, semi-solid culture</b>	SJS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Szwajizak, strain Szwajizak, liquid culture</b>	MIL-020	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Szwajizak, strain Szwajizak, rabbit antiserum</b>	MIA-020	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Szwajizak, strain Szwajizak, semi-solid culture</b>	MIS-020	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Tarassovi, strain Perepelitsin, liquid culture</b>	TAL-010	10.0 ml	Varies	Yes	\$79.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Tarassovi, strain Perepelitsin, rabbit antiserum</b>	TAA-010	2.0 ml	Varies	Yes	\$112.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Tarassovi, strain Perepelitsin, semi-solid culture</b>	TAS-010	6.0 ml	Varies	Yes	\$79.00	Semi-solid culture for stock culture purposes

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's enzyme-linked immunosorbent assay (ELISA) proficiency test</b>	JEL-CHK	N/A	N/A	Yes	\$394.00	A panel of serum samples is used to monitor proficiency of laboratory personnel
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's fecal pooling proficiency kit</b>	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
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's fecal proficiency test kit</b>	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
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis (Johne's) fecal sample</b>	MAP-POS	5.0 ml	1	Yes	\$2.00	Johne's fecal positive controls. Click here for a current list of positive control samples.
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis (Johne's) fecal sample</b>	MAP-NEG	5.0 ml	1	Yes	\$2.00	Johne's fecal negative controls. Click here for a current list of negative control samples.
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis manual</b>	MAP-MAN	N/A	N/A	Yes	\$84.00	Manual titled "Laboratory Methods for Isolation and Identification of Mycobacterium avium ssp. Paratuberculosis (Johne's Disease)"
<b>Mycobacterium antigen - Mycobacterium avium purified protein derivative (PPD) (export testing)</b>	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
<b>Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (caudal fold test)</b>	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 tuberculoprotein.

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (caudal fold test)</b>	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 tuberculoprotein.
<b>Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (caudal fold test)</b>	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 tuberculoprotein. Replaces reagent code 131-B.
<b>Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (cervical test)</b>	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.
<b>Mycobacterium antigen - Mycobacterium paratuberculosis (Johne's) complement fixation (CF) antigen</b>	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
<b>Mycobacterium antigen - Mycobacterium paratuberculosis (Johnin) purified protein derivative (PPD) tuberculin</b>	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
<b>Mycobacterium antigen - purified protein derivative (PPD) avian balanced tuberculin (comparative cervical test)</b>	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.

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Mycobacterium antigen - purified protein derivative (PPD) bovis balanced tuberculin (comparative cervical test)</b>	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 tuberculo protein by the comparative cervical method--contains 1.0 mg protein/ml.
<b>Mycobacterium bovis Cervid TB Stat-Pak serum shipping kit</b>	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.
<b>Mycobacterium bovis direct PCR control, negative, bovine tissue</b>	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.
<b>Mycobacterium bovis direct PCR control, positive, bovine tissue with BCG</b>	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.
<b>Mycobacterium bovis direct PCR control, positive, bovine tissue with Mtb H37a</b>	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.
<b>Mycobacterium bovis serum panel</b>	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.

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) negative control serum</b>	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
<b>Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) complement fixation (CF) negative serum</b>	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
<b>Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) complement fixation (CF) positive serum</b>	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
<b>Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) high positive control serum</b>	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
<b>Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) low positive 1 control serum</b>	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
<b>Mycobacterium control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) low positive 2 control serum</b>	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
<b>Mycobacterium field isolate - multiple species available</b>	MYC-F	1.0 ml	N/A	Yes	\$79.00	Mycobacterium field isolates. Sent as glycerol stock. Call (515) 337-7388 for availability

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Mycobacterium field isolate - multiple species available</b>	MYC-S	Varies	N/A	Yes	\$79.00	Mycobacterium field isolates. Sent as live cultures on slants. Call (515) 337-7388 for availability.
<b>Mycobacterium reference culture - multiple species available</b>	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
<b>Mycobacterium species cells, non-viable</b>	MYC-NV	Varies	N/A	Yes	\$112.00	Mycobacterium species cells, non-viable. Various species available. Call (515) 337-7388 for availability
<b>Mycobacterium species cells, non-viable</b>	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
<b>Mycobacterium species DNA</b>	MYC-DNA	Varies	N/A	Yes	\$140.00	Mycobacterium species DNA. Various species available. Call (515) 337-7388 for availability
<b>Mycoplasma - chicken serum, negative for Mycoplasma antibodies</b>	119	2.0 ml	Varies	Yes	\$40.00	Used as a negative control in plate or hemagglutination-inhibition test
<b>Mycoplasma - turkey serum, negative for mycoplasma antibodies</b>	109	2.0 ml	Varies	Yes	\$40.00	Used as a negative control in plate or hemagglutination-inhibition tests
<b>Mycoplasma gallisepticum hemagglutination antigen</b>	100	5.0 ml	Varies	Yes	\$197.00	Used to detect antibodies in poultry serum by hemagglutination-inhibition (HI) test
<b>Mycoplasma gallisepticum positive control serum, chicken origin, for use in plate test</b>	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
<b>Mycoplasma gallisepticum positive control serum, chicken origin, range in titer of 1:160 - 1:320</b>	104-M	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma gallisepticum positive control serum, chicken origin, range in titer of 1:40 - 1:80</b>	104-L	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Mycoplasma gallisepticum positive control serum, chicken origin, range in titer of 1:640 - 1:1280</b>	104-H	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma gallisepticum positive control serum, turkey origin, for use in plate test</b>	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
<b>Mycoplasma gallisepticum positive control serum, turkey origin, range in titer of 1:160 - 1:320</b>	103-M	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma gallisepticum positive control serum, turkey origin, range in titer of 1:40 - 1:80</b>	103-L	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma gallisepticum positive control serum, turkey origin, range in titer of 1:640 - 1:1280</b>	103-H	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma meleagridis hemagglutination antigen</b>	110	5.0 ml	Varies	Yes	\$197.00	Used to detect antibodies in poultry serum by hemagglutination-inhibition (HI) test
<b>Mycoplasma meleagridis positive control serum, turkey origin, for use in plate test</b>	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
<b>Mycoplasma meleagridis positive control serum, turkey origin, range in titer of 1:160 - 1:320</b>	113-M	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma meleagridis positive control serum, turkey origin, range in titer of 1:40 - 1:80</b>	113-L	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma meleagridis positive control serum, turkey origin, range in titer of 1:640 - 1:1280</b>	113-H	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Mycoplasma synoviae fluorescent antibody conjugate, multivalent, rabbit origin</b>	MSR-FAC	0.5 ml	Varies	Yes	\$52.50	Rabbit origin multivalent fluorescent antibody conjugate (FITC bound)
<b>Mycoplasma synoviae fluorescent antibody conjugate, multivalent, chicken origin</b>	MSC-FAC	0.5 ml	Varies	Yes	\$52.50	Chicken origin multivalent fluorescent antibody conjugate (FITC bound)
<b>Mycoplasma synoviae hemagglutination antigen</b>	120	5.0 ml	Varies	Yes	\$197.00	Used to detect antibodies in poultry serum by hemagglutination-inhibition (HI) test
<b>Mycoplasma synoviae positive control serum, chicken origin, for use in plate test</b>	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
<b>Mycoplasma synoviae positive control serum, chicken origin, range in titer of 1:160 - 1:320</b>	124-M	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma synoviae positive control serum, chicken origin, range in titer of 1:40 - 1:80</b>	124-L	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma synoviae positive control serum, chicken origin, range in titer of 1:640 - 1:1280</b>	124-H	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma synoviae positive control serum, turkey origin, range in titer of 1:160 - 1:320</b>	125-M	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma synoviae positive control serum, turkey origin, range in titer of 1:40 - 1:80</b>	125-L	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma synoviae positive control serum, turkey origin, range in titer of 1:640 - 1:1280</b>	125-H	2.0 ml	Varies	Yes	\$104.00	Used as a positive control serum in hemagglutination-inhibition (HI) test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 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 LaSota 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. Must be an APHIS-approved laboratory or in the process of becoming approved. Contact NVSL.DVL.Comm@usda.gov for questions.
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
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)
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

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Pasteurella multocida type 1, reference culture X-73</b>	21-T1	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 10 antiserum</b>	20-T10	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 10, reference culture P-2100</b>	21-T10	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 11 antiserum</b>	20-T11	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 11, reference culture P-903</b>	21-T11	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 12 antiserum</b>	20-T12	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 12, reference culture P-1573</b>	21-T12	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 13 antiserum</b>	20-T13	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 13, reference culture P-1591</b>	21-T13	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 14 antiserum</b>	20-T14	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 14, reference culture P-2225</b>	21-T14	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 15 antiserum</b>	20-T15	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 15, reference culture P-2237</b>	21-T15	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Pasteurella multocida type 16 antiserum</b>	20-T16	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 16, reference culture P-2723</b>	21-T16	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 2 antiserum</b>	20-T2	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 2, reference culture M-1404</b>	21-T2	10.0 ml	Varies	Yes	\$79.00	USDA permit required. Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 3 antiserum</b>	20-T3	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 3, reference culture P-1059</b>	21-T3	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 4 antiserum</b>	20-T4	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 4, reference culture P-1662</b>	21-T4	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 5 antiserum</b>	20-T5	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 5, reference culture P-1702</b>	21-T5	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 6 antiserum</b>	20-T6	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 6, reference culture P-2192</b>	21-T6	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 7 antiserum</b>	20-T7	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Pasteurella multocida type 7, reference culture P-1997</b>	21-T7	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 8 antiserum</b>	20-T8	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 8, reference culture P-1581</b>	21-T8	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 9 antiserum</b>	20-T9	1.0 ml	Varies	Yes	\$52.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 9, reference culture P-2095</b>	21-T9	10.0 ml	Varies	Yes	\$79.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>PCR control, direct, negative bovine tissue</b>	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.
<b>PCR control, direct, positive tissue with Mycobacterium bovis BCG</b>	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.
<b>PCR control, direct, positive tissue with Mycobacterium tuberculosis H37a</b>	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.
<b>Polysorbate-80 bovine albumin medium (P-80 BA)</b>	LTM-10	10.0 ml	Varies	Yes	\$4.75	Medium used to propagate Leptospira for use in microscopic agglutination testing
<b>Polysorbate-80 bovine albumin medium (P-80 BA)</b>	LTM-100	100.0 ml	Varies	Yes	\$47.50	Medium used to propagate Leptospira for use in microscopic agglutination testing

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Polysorbate-80 bovine albumin medium (P-80 BA)</b>	LTM-5	5.0 ml	Varies	Yes	\$2.38	Semisolid medium used to propagate Leptospira for use in microscopic agglutination testing
<b>Porcine adenovirus</b>	030-PDV	0.6 ml	1	Yes	\$33.00	
<b>Porcine adenovirus antiserum</b>	330-PDV	2.0 ml	Varies	Yes	\$115.00	Porcine source
<b>Porcine adenovirus fluorescent antibody conjugate</b>	630-PDV	1.0 ml	Varies	Yes	\$80.00	Porcine source
<b>Porcine deltacoronavirus</b>	026-PDV	0.6 ml		Yes	\$197.00	
<b>Porcine epidemic diarrhea virus antiserum</b>	328-PDV	2.0 ml		Yes	\$115.00	Porcine Source Antiserum - undiluted
<b>Porcine epidemic diarrhea virus, CO isolate</b>	025-PDV	0.6 ml		Yes	\$197.00	Porcine epidemic diarrhea virus, CO isolate
<b>Porcine hemagglutinating encephalomyelitis virus (PHEV)</b>	001-PDV	0.6 ml	1	Yes	\$33.00	Mengling strain, challenge virus for the PHEV hemagglutination-inhibition (HI) test
<b>Porcine hemagglutinating encephalomyelitis virus (PHEV) antiserum</b>	301-PDV	2.0 ml	Varies	Yes	\$115.00	Porcine source
<b>Porcine hemagglutinating encephalomyelitis virus (PHEV) fluorescent antibody conjugate</b>	601-PDV	1.0 ml	Varies	Yes	\$80.00	Porcine source
<b>Porcine hemagglutinating encephalomyelitis virus (PHEV) positive control serum</b>	315-PDV	2.0 ml	12	Yes	\$27.00	Positive control serum for PHEV hemagglutination-inhibition (HI) test (diluted)
<b>Porcine parvovirus (PPV)</b>	080-PDV	0.6 ml	Varies	Yes	\$33.00	NADL-1 (Mengeling) strain, challenge virus for the PPV hemagglutination-inhibition (HI) test
<b>Porcine parvovirus (PPV) antiserum</b>	380-PDV	2.0 ml	Varies	Yes	\$115.00	Porcine source
<b>Porcine parvovirus (PPV) fluorescent antibody conjugate</b>	680-PDV	1.0 ml	Varies	Yes	\$80.00	For cell culture staining

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Porcine parvovirus (PPV) hemagglutination-inhibition (HI) positive control serum</b>	385-PDV	2.0 ml	12	Yes	\$27.00	Positive control serum for PPV hemagglutination-inhibition (HI) test (diluted)
<b>Porcine reovirus</b>	100-PDV	0.6 ml	1	Yes	\$33.00	Type 3
<b>Porcine reovirus antiserum</b>	400-PDV	2.0 ml	Varies	Yes	\$115.00	Porcine source
<b>Porcine reovirus fluorescent antibody conjugate</b>	700-PDV	1.0 ml	Varies	Yes	\$80.00	Porcine source
<b>Porcine reproductive and respiratory syndrome (PRRS) antiserum European N strain</b>	460-PDV	2.0 ml	Varies	Yes	\$115.00	Undiluted antiserum
<b>Porcine reproductive and respiratory syndrome (PRRS) antiserum North American strain</b>	430-PDV	2.0 ml	Varies	Yes	\$115.00	Undiluted antiserum
<b>Porcine reproductive and respiratory syndrome (PRRS) check test - ELISA</b>	PRR-ELI	N/A	N/A	Yes	\$394.00	Enzyme-linked immunosorbent assay (ELISA)
<b>Porcine reproductive and respiratory syndrome (PRRS) check test - IFA</b>	PRR-IFA	N/A	N/A	Yes	\$394.00	Indirect fluorescent antibody (IFA) test
<b>Porcine reproductive and respiratory syndrome (PRRS) indirect immunofluorescent assay (IFA) negative control serum</b>	535-PDV	2.0 ml	12	Yes	\$40.00	Negative control serum for the indirect immunofluorescent assay (IFA) test, both NVSL and European strains
<b>Porcine reproductive and respiratory syndrome (PRRS) indirect immunofluorescent assay (IFA) positive control serum European N strain</b>	345-PDV	2.0 ml	12	Yes	\$27.00	Positive control serum for the indirect immunofluorescent assay (IFA) test (diluted)

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Porcine reproductive and respiratory syndrome (PRRS) indirect immunofluorescent assay (IFA) positive control serum North American strain</b>	335-PDV	2.0 ml	12	Yes	\$27.00	Positive control serum for the indirect immunofluorescent assay (IFA) test (diluted)
<b>Porcine reproductive and respiratory syndrome (PRRS) infected MARC-145 cells European N strain</b>	150-MDV	2 slides/set	N/A	Yes	\$28.00	Eight (8) chambered slides for indirect immunofluorescent assay testing (acetone-fixed)
<b>Porcine reproductive and respiratory syndrome (PRRS) infected MARC-145 cells North American strain</b>	130-MDV	2 slides/set	N/A	Yes	\$28.00	Eight (8) chambered slides for indirect immunofluorescent assay testing (acetone-fixed)
<b>Porcine reproductive and respiratory syndrome (PRRS) monoclonal antibody</b>	635-PDV	1.0 ml	Varies	Yes	\$110.00	Mouse anti-PRRS antibodies for antigen detection
<b>Porcine reproductive and respiratory syndrome (PRRS) virus North American strain</b>	130-PDV	0.6 ml	1	Yes	\$33.00	For preparation of indirect immunofluorescent assay slides
<b>Porcine rotavirus</b>	110-PDV	0.6 ml	1	Yes	\$33.00	Bohl's strain
<b>Porcine rotavirus antiserum</b>	410-PDV	2.0 ml	Varies	Yes	\$115.00	Porcine source
<b>Porcine rotavirus fluorescent antibody conjugate</b>	710-PDV	1.0 ml	Varies	Yes	\$80.00	Porcine source
<b>Porcine sapelovirus</b>	061-PDV	0.6 ml	Varies	Yes	\$33.00	Strain PS 30 (formerly Porcine enterovirus - A or PEV-8c)
<b>Porcine sapelovirus</b>	059-PDV	0.6 ml	Varies	Yes	\$33.00	Strain PS 32 (formerly Porcine enterovirus - A or PEV-8a)
<b>Porcine sapelovirus</b>	060-PDV	0.6 ml	Varies	Yes	\$33.00	ECPO 1 (formerly Porcine enterovirus - A or PEV-8b)
<b>Porcine sapelovirus</b>	058-PDV	0.6 ml	Varies	Yes	\$33.00	Strain PS 27 (formerly Porcine enterovirus - A or PEV-8)

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
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)
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)

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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	400-BDV	2.0 ml	Varies	Yes	\$139.00	Bovine source
Pseudocowpox virus antiserum	401-BDV	2.0 ml	Varies	Yes	\$139.00	Porcine 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.
Pseudorabies check test (Aujeszky's) - ELISA (gI)	PRV-GP1	N/A	N/A	*	\$394.00	Enzyme-linked immunosorbent assy (gI) 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.

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<b>Pseudorabies virus antiserum (Aujeszky's)</b>	370-PDV	2.0 ml	Varies	*	\$115.00	Porcine source
<b>Pseudorabies virus fluorescent antibody (FA) conjugate (Aujeszky's)</b>	670-PDV	1.0 ml	Varies	*	\$80.00	Porcine source
<b>Pseudorabies virus neutralization (VN) positive control serum</b>	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.
<b>Psittacine herpesvirus (PHV)</b>	037-ADV	0.6 ml	1	Yes	\$33.00	Cell culture virus (NVSL strain 77-4441) propagated in chicken embryo kidney cells
<b>Psittacine herpesvirus (PHV) antiserum</b>	337-ADV	2.0 ml	Varies	Yes	\$53.00	Antiserum prepared in chickens against NVSL strain 77-4441
<b>Psittacine herpesvirus (PHV) fluorescent antibody (FA) conjugate</b>	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)
<b>Rabbit origin anti-bovine fluorescent antibody (FA) conjugate</b>	81-FA	1.0 ml	Varies	Yes	\$80.00	Use in indirect FA tests with bovine serum
<b>Rabbit origin anti-bovine horseradish peroxidase-labeled conjugate</b>	81-R2	1.0 ml	Varies	Yes	\$80.00	Use in enzyme immunoassays with bovine serum
<b>Rabbit origin anti-equine fluorescent antibody (FA) conjugate</b>	71-FA	1.0 ml	Varies	Yes	\$80.00	Use in indirect FA tests with equine serum
<b>Rabbit origin anti-equine horseradish peroxidase-labeled conjugate</b>	71-R2	1.0 ml	Varies	Yes	\$80.00	Use in enzyme immunoassays with equine serum
<b>Rabbit origin anti-goat fluorescent antibody (FA) conjugate</b>	176-FA	1.0 ml	Varies	Yes	\$80.00	Use in indirect FA tests with goat serum
<b>Rabbit origin anti-goat horseradish peroxidase-labeled conjugate</b>	176-R2	1.0 ml	Varies	Yes	\$80.00	Use in enzyme immunoassays with goat serum

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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
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-P25	25.0 ml	200	Yes	\$295.00	Used for detection of antibody against Salmonella pullorum somatic antigens
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 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	

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Scrapie Caprine PrP genotyping proficiency panel - FTA Cards	PRC-FTA			Yes	\$394.00	Panel of FTA cards with Caprine whole blood. Conducted yearly, contact laboratory at (515) 337-7388 or 7837
Scrapie Caprine PrP genotyping proficiency panel - Tissue	PRC-TIS			Yes	\$394.00	Panel of 3mm Caprine ear punches in vials. Conducted yearly, contact laboratory at (515) 337-7388 or 7837
Scrapie Caprine PrP genotyping proficiency panel - Whole Blood	PRC-WB			Yes	\$394.00	Panel 1mL vials of whole blood. Conducted yearly, contact laboratory at (515) 337-7388 or 7837
Scrapie genotyping control DNA	SCR-DNA	25 uL		Yes	\$84.00	Scrapie genotyping control DNA
Scrapie immunohistochemistry control block	CWS-CB			*	\$0.00	Positive chronic wasting disease and/or scrapie brain and lymph tissue and Not Detected brain in a paraffin block, used for IHC scrapie and CWD controls, includes a stained slide; appropriate permit(s) required.
Scrapie Ovine 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
Scrapie Ovine 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
Scrapie Ovine 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
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	\$197.00	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	

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
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.
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	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, 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	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, 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	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.

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
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 (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
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

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
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
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 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

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Transmissible gastroenteritis (TGE) virus fluorescent antibody conjugate</b>	620-PDV	1.0 ml	Varies	Yes	\$80.00	Porcine source
<b>Transmissible gastroenteritis (TGE) virus neutralization (VN) positive control serum</b>	325-PDV	2.0 ml	12	Yes	\$27.00	Positive control serum for Transmissible gastroenteritis (TGE) virus neutralization (VN) test (diluted)
<b>Vesicular stomatitis (VS) complement fixation (CF) antigen Indiana</b>	069-VDV	1.0 ml	6	Yes	\$33.50	Challenge virus for the vesicular stomatitis (VS) Indiana complement fixation (CF) test
<b>Vesicular stomatitis (VS) complement fixation (CF) antigen New Jersey</b>	075-VDV	1.0 ml	6	Yes	\$33.50	Challenge virus for the vesicular stomatitis (VS) New Jersey complement fixation (CF) test
<b>Vesicular stomatitis (VS) complement fixation (CF) check test</b>	VS-CF	N/A	N/A	Yes	\$394.00	VS CF check test
<b>Vesicular stomatitis (VS) complement fixation (CF) Indiana positive control serum (bovine)</b>	374-VDV	2.0 ml	12	Yes	\$27.00	Positive control serum for vesicular stomatitis (VS) Indiana complement fixation (CF) test (diluted)
<b>Vesicular stomatitis (VS) complement fixation (CF) Indiana positive control serum (equine)</b>	369-VDV	2.0 ml	12	Yes	\$27.00	Positive control serum for vesicular stomatitis (VS) Indiana complement fixation (CF) test (diluted)
<b>Vesicular stomatitis (VS) complement fixation (CF) modifying factor</b>	376-VDV	2.0 ml	N/A	Yes	\$40.00	
<b>Vesicular stomatitis (VS) complement fixation (CF) negative control serum</b>	491-BDV	2.0 ml	12	Yes	\$40.00	Negative control serum for VS CF tests, bovine origin
<b>Vesicular stomatitis (VS) complement fixation (CF) negative control serum</b>	490-BDV	2.0 ml	12	Yes	\$40.00	Negative control serum for VS CF tests, equine origin
<b>Vesicular stomatitis (VS) complement fixation (CF) New Jersey positive control serum (bovine)</b>	368-VDV	2.0 ml	12	Yes	\$27.00	Positive control serum for vesicular stomatitis (VS) New Jersey complement fixation (CF) test (diluted)

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Vesicular stomatitis (VS) complement fixation (CF) New Jersey positive control serum (equine)</b>	375-VDV	2.0 ml	12	Yes	\$27.00	Positive control serum for vesicular stomatitis (VS) New Jersey complement fixation (CF) test (diluted)
<b>Vesicular stomatitis (VS) normal mouse brain complement fixation (CF) antigen</b>	074-VDV	1.0 ml	6	Yes	\$33.50	Normal antigen for vesicular stomatitis (VS) complement fixation (CF) test
<b>Vesicular stomatitis (VS) PCR positive amplification control RNA</b>	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.
<b>Vesicular stomatitis (VS) PCR proficiency test</b>	VS-PCR	0.7 ml	3	Yes	\$394.00	Vesicular stomatitis PCR proficiency test. Ten (10) 0.5 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.
<b>Vesicular stomatitis (VS) virus neutralization (VN) check test</b>	VS-VN	N/A	N/A	Yes	\$394.00	Virus neutralization (VN) check test
<b>Vesicular stomatitis (VS) virus neutralization (VN) Indiana positive control serum</b>	470-VDV	2.0 ml	12	Yes	\$27.00	Positive control serum for VS Indiana virus neutralization (VN) test (diluted)
<b>Vesicular stomatitis (VS) virus neutralization (VN) negative control serum</b>	480-BDV	2.0 ml	12	Yes	\$40.00	Negative control serum for vesicular stomatitis (VS) virus neutralization (VN) tests (diluted), bovine origin
<b>Vesicular stomatitis (VS) virus neutralization (VN) New Jersey positive control serum</b>	473-VDV	2.0 ml	12	Yes	\$27.00	Positive 073-control serum for vesicular stomatitis (VS) New Jersey virus neutralization (VN) test (diluted)

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Reagent Name	Reagent Code	Amount/ Vial	Tests/ Vial	Billable	FY 2023 User Fee	Reagent Description
<b>Vesicular stomatitis (VS) virus, Indiana (IN)</b>	070-VDV	0.6 ml	1	Yes	\$33.00	Chimayo strain, challenge virus for the VS (IN) virus neutralization (VN) test
<b>Vesicular stomatitis (VS) virus, New Jersey (NJ)</b>	073-VDV	0.6 ml	1	Yes	\$33.00	Atlanta strain, challenge virus for the VS (NJ) virus neutralization (VN) test
<b>West nile antiserum for virus neutralization (VN) control (horse)</b>	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
<b>West nile antiserum IgM capture ELISA (horse)</b>	335-EDV	1.0 ml	Varies	Yes	\$168.00	Use as a positive control serum for IgM capture ELISA test system for equine
<b>West nile equine IgM low positive</b>	330-EDV	0.5 ml	Varies	Yes	\$84.00	Use as a low control serum for IgM ELISA test for equine
<b>West nile negative antiserum for IgM capture ELISA (horse)</b>	305-EDV	1.0 ml	Varies	Yes	\$20.00	Use as a negative control serum for IgM capture ELISA test system for equine
<b>West nile negative antiserum for virus neutralization (VN) (horse)</b>	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
<b>West nile viral ribonucleic acid (RNA)</b>	204-EDV	N/A	Varies	Yes	\$28.00	Use as a positive control for performing a PCR test for West Nile virus

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