

# National Veterinary Services Laboratories

## Reagent Manual

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>African Swine Fever (ASFV) Cell Culture Supernatant</b>	ASF-SUP	1.8 mL	Varies	Yes	\$143.00	ASFV Cell Culture Supernatant for Molecular Assay Testing/Development. Vero adapted ASFV strain Lisbon 60 was inactivated by gamma irradiation. For experimental use.
<b>African Swine Fever (ASFV) Whole Blood Panel</b>	ASF-PNL	1.5 mL	Varies	Yes	\$774.00	ASFV whole blood panel for Molecular Assay Testing/Development. Vero adapted ASFV strain Lisbon 60 was serially diluted in negative swine blood to create a panel of 10 samples. ASFV was inactivated by gamma irradiation. For experimental use.
<b>Anaplasma marginale enzyme-linked immunosorbent assay (ELISA) proficiency test</b>	ANP-CHK	Varies	Varies	Yes	\$774.00	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	\$404.00	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	\$404.00	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	\$43.00	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	\$146.00	Reference control serum for the Anaplasmosis cELISA

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Page 1 of 49

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<b>Anaplasmosis competitive enzyme-linked immunoabsorbent assay (cELISA) medium positive control serum</b>	149-M	1.0 mL	400	Yes	\$146.00	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	\$43.00	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	\$292.00	Reference control serum for the Anaplasmosis cELISA
<b>Anaplasmosis complement fixation (CF) test positive control serum</b>	142-M	1.0 mL	30	Yes	\$146.00	Reference control antiserum for the complement fixation (CF) test
<b>Anaplasmosis complement fixation (CF) test positive control serum</b>	142-H	1.0 mL	30	Yes	\$146.00	Reference control antiserum for the complement fixation (CF) test
<b>Anaplasmosis complement fixation (CF) test positive control serum</b>	142-L	1.0 mL	30	Yes	\$146.00	Reference control antiserum for the complement fixation (CF) test
<b>Antimicrobial Susceptibility Proficiency Panel</b>	CHK-AMR	1.0 g	10	Yes	\$774.00	Proficiency Test for Antimicrobial Susceptibility by broth microdilution method Lyophilized pure cultures of various category B bacterial organisms.
<b>Avian adenovirus group I (Quail Bronchitis, chicken embryo lethal orphan)</b>	002-ADV	0.6 mL	1	Yes	\$70.00	Cell culture virus propagated in chick embryo kidney cells
<b>Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus - DAdV-1)</b>	004-ADV	0.6 mL		Yes	\$70.00	DAdV-1/chicken/PA/20-005074/2020 Duck Adenovirus 1 (DAdV-1; aka Egg drop 76, adenovirus 127, duck adenovirus)
<b>Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus)</b>	001-ADV	0.6 mL		Yes	\$70.00	Avian adenovirus -127 (Egg drop syndrome-76) Adenovirus Group III

Print Date: 6/23/2025

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Page 2 of 49

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<b>Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus) antigen</b>	012-ADV	2.0 mL	Varies	Yes	\$140.00	Use in the hemagglutination-inhibition (HI) test to detect antibodies to adenovirus 127, propagated in duck embryo fibroblast cells (heat-inactivated)
<b>Avian adenovirus group III (aka Adenovirus 127, Egg Drop Syndrome 1976, Duck Adenovirus) antiserum</b>	301-ADV	2.0 mL	Varies	Yes	\$135.00	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	\$70.00	Embryo-derived virus propagated in chick embryos
<b>Avian Influenza (AI) H5 Mexican RNA</b>	211-ADV	0.05 mL		*	\$108.00	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	*	\$108.00	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) H5N1 serum</b>	AI-SER	0.5 mL	Varies	Yes	\$36.00	Avian Influenza H5N1 serum obtained from experimentally infected cattle or swine. Serum contains antibodies specific to H5N1. Please contact 515-337-7317 to obtain a list of available serum.
<b>Avian influenza (AI) H7 Eurasian RNA</b>	210-ADV	0.05 mL	Varies	*	\$108.00	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.

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Page 3 of 49

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<b>Avian influenza (AI) H7 transcribed RNA</b>	201-ADV	0.05 mL	Varies	*	\$108.00	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	*	\$108.00	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.
<b>Avian influenza (AI) proficiency test (AGID or ELISA)</b>	AI-CHK	N/A	N/A	Yes	\$774.00	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	*	\$350.00	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. NOTE: replaces 204-ADV which has been discontinued.
<b>Avian influenza / Newcastle disease virus rRT-PCR negative extraction control</b>	209-ADV	5.0 mL	25	*	\$350.00	Normal amnio-allantoic fluid in tris-buffered tryptose broth used as a negative extraction control for the AI matrix and APMV-1 matrix rRT-PCR assays. 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	*	\$25.80	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	\$25.80	Use as a negative reference serum in the AIID test for export purposes

Print Date: 6/23/2025

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Page 4 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Avian influenza immunodiffusion (AIID) strong positive reference serum	902-ADV	0.6 mL	12	*	\$24.20	Use as a positive reference serum in the AIID test for program/surveillance testing
Avian influenza immunodiffusion (AIID) strong positive reference serum	902-EXP	0.6 mL	12	Yes	\$24.20	Use as a positive reference serum in the AIID test for export purposes
Avian influenza immunodiffusion (AIID) weak positive reference serum	903-ADV	0.6 mL	12	*	\$24.20	Use as a weak positive reference serum in the AIID test for program/surveillance testing
Avian influenza immunodiffusion (AIID) weak positive reference serum	903-EXP	0.6 mL	12	Yes	\$24.20	Use as a weak positive reference serum in the AIID test for export purposes
Avian influenza virus immunodiffusion (AIID) antigen	300	2.0 mL	120	*	\$76.00	Use to detect group-specific antibodies to type A influenza viruses--must be ordered and used in matched sets (same lot numbers) with AIID antiserum 305
Avian influenza virus immunodiffusion (AIID) antigen (export version)	300-EXP	2.0 mL	120	Yes	\$76.00	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	*	\$242.00	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	\$242.00	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 metapneumovirus panel – subtypes A, B, C	AMP-ADV	0.6 mL		Yes	\$1,935.00	Panel contains one vial each of avian metapneumovirus subtype A (UK strain), subtype B (Hungary strain), and subtype C (Colorado strain).
Avian paramyxovirus serotype 10 antiserum	486-ADV	2.0 mL		Yes	\$135.00	APMV-10 Penguin/Falkland Island/08-000600/2008, antiserum

Print Date: 6/23/2025

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Page 5 of 49

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<b>Avian paramyxovirus type 1 rRT-PCR extraction control</b>	207-ADV	5.0 mL	10	*	\$350.00	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.
<b>Avian paramyxovirus type 2 antigen</b>	071-ADV	2.0 mL	Varies	Yes	\$140.00	Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (P/Ck/CA/Yucaipa/56 strain)
<b>Avian paramyxovirus type 2 antiserum</b>	471-ADV	2.0 mL	Varies	Yes	\$135.00	Antiserum prepared in chickens against P/Ck/CA/Yucaipa/56 strain
<b>Avian paramyxovirus type 3 antigen</b>	073-ADV	2.0 mL	Varies	Yes	\$140.00	Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (P/Turkey/Wisconsin/68 strain)
<b>Avian paramyxovirus type 3 antiserum</b>	473-ADV	2.0 mL	Varies	Yes	\$135.00	Antiserum prepared in chickens against P/Turkey/Wisconsin/68 strain
<b>Avian paramyxovirus type 4 antigen</b>	144-ADV	2.0 mL	Varies	Yes	\$140.00	Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (DK/H.K./D3/75 strain)
<b>Avian paramyxovirus type 6 antigen</b>	146-ADV	2.0 mL	Varies	Yes	\$140.00	Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (DK/H.K./199/75 strain)
<b>Avian paramyxovirus type 7 antigen</b>	147-ADV	2.0 mL	Varies	Yes	\$140.00	Use in the hemagglutination and hemagglutination-inhibition (HI) test. Beta-propiolactone inactivated (Dove/TN/4/75 strain)
<b>Avian paramyxovirus type 8 antigen</b>	148-ADV	2.0 mL	N/A	Yes	\$140.00	APMV-8, Goose/DE/1053/76, beta-propiolactone inactivated
<b>Avian paramyxovirus type 8 antiserum</b>	483-ADV	2.0 mL	N/A	Yes	\$135.00	Antiserum, APMV-8, Goose/DE/1053/76
<b>Avian paramyxovirus type 9 antigen</b>	149-ADV	2.0 mL	N/A	Yes	\$140.00	APMV-9, DK/NY/22/78, beta-propiolactone inactivated

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Page 6 of 49

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Avian reovirus	080-ADV	0.6 mL	1	Yes	\$70.00	Cell culture virus (Fahey-Crawley strain) propagated in chicken embryo kidney cells
Avian reovirus antiserum	380-ADV	2.0 mL	Varies	Yes	\$135.00	Antiserum prepared in chickens against Fahey-Crawley strain
Avian reovirus fluorescent antibody (FA) conjugate	680-ADV	1.0 mL	Varies	Yes	\$167.00	Use to detect avian reovirus antigen in infected cell cultures or tissues by FA techniques (Fahey-Crawley strain)
Babesia caballi ELISA and western blot positive control sera	77-ELW	1.0 mL		Yes	\$334.00	Babesia caballi ELISA and western blot positive control sera
Babesia caballi positive control serum (high titer)	77-H	1.0 mL	40	Yes	\$334.00	High titer positive control serum used in serologic tests to detect antibodies to babesia caballi
Babesia caballi positive control serum (low titer)	77-L	1.0 mL	40	Yes	\$334.00	Low titer positive control serum used in serologic tests to detect antibodies to babesia caballi
Bacillus anthracis Gamma phage	BAN-001	1.0 mL		Yes	\$178.75	Gamma bacteriophage for diagnosis of Bacillus anthracis
Bacteriology Internal Quality Assurance Survey Kit	CHK-CUL	N/A	N/A	Yes	\$387.00	Internal Bacteriology Quality Assurance Survey
Bluetongue antibody negative OIE reference serum	906-ODV	2.0 mL	Varies	Yes	\$280.00	Bovine origin, Enzyme-linked immunosorbent assay (ELISA) control serum (OIE). Agar gel immunodiffusion (AGID) control serum (OIE). Available for international shipments only.
Bluetongue check test	BT-CHK	N/A	N/A	Yes	\$774.00	Bluetongue proficiency check test
Bluetongue modifying factor, bovine or avian normal serum	69	2.0 mL		Yes	\$86.00	Use in BT or EHD modified complement fixation test
Bluetongue negative serum	901-ODV	2.0 mL		Yes	\$86.00	Bluetongue negative antiserum

Print Date: 6/23/2025

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Page 7 of 49

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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	\$280.00	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	\$280.00	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	\$167.00	Produced from goat-origin serum
<b>Bluetongue virus serotype 10</b>	001-ODV	0.6 mL	Varies	Yes	\$70.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 10 antiserum</b>	301-ODV	2.0 mL	Varies	Yes	\$280.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 11</b>	002-ODV	0.6 mL	Varies	Yes	\$70.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 11 antiserum</b>	302-ODV	2.0 mL	Varies	Yes	\$280.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 13</b>	003-ODV	0.6 mL	Varies	Yes	\$70.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 13 antiserum</b>	303-ODV	2.0 mL	Varies	Yes	\$280.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 17</b>	004-ODV	0.6 mL	Varies	Yes	\$70.00	For virus production and VN assays; North American strain
<b>Bluetongue virus serotype 17 antiserum</b>	304-ODV	2.0 mL	Varies	Yes	\$280.00	For positive control for VN, ELISA, AGID controls -- bovine origin
<b>Bluetongue virus serotype 2</b>	005-ODV	0.6 mL	Varies	Yes	\$70.00	For virus production and VN assays; North American strain

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Page 8 of 49

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<b>Bluetongue virus serotype 2 antiserum</b>	305-ODV	2.0 mL	Varies	Yes	\$280.00	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	\$57.00	Agar gel immunodiffusion control serum--bovine origin
<b>Bluetongue virus weak positive reference serum</b>	903-ODV	2.0 mL	Varies	Yes	\$57.00	Agar gel immunodiffusion control serum--bovine origin
<b>Bovine adenovirus type A antiserum</b>	301-BDV	2.0 mL	Varies	Yes	\$280.00	f/k/a Bovine Adenovirus Type 1 antiserum, gnotobiotic calf serum
<b>Bovine adenovirus type D antiserum</b>	305-BDV	2.0 mL	Varies	Yes	\$280.00	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	\$167.00	Bovine source
<b>Bovine enterovirus -1 antiserum</b>	330-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine enterovirus -2 antiserum</b>	331-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine enterovirus -3 antiserum</b>	332-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine enterovirus -4 antiserum</b>	333-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine enterovirus -5 antiserum</b>	334-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine enterovirus -6 antiserum</b>	335-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine enterovirus -7 antiserum</b>	336-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine enterovirus antiserum 1-7</b>	337-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source, antiserum pool for virus identification
<b>Bovine herpesvirus 1 antiserum</b>	350-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine herpesvirus 1 fluorescent antibody conjugate</b>	650-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source
<b>Bovine herpesvirus 2 fluorescent antibody conjugate</b>	651-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source

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Page 9 of 49

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<b>Bovine herpesvirus 4 fluorescent antibody conjugate</b>	652-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source
<b>Bovine leukosis proficiency check test</b>	BLV-CHK	N/A	N/A	Yes	\$774.00	Bovine leukosis proficiency check test
<b>Bovine leukosis virus strong positive serum</b>	902-BDV	2.0 mL	Varies	Yes	\$57.00	Bovine origin--agar gel immunodiffusion control
<b>Bovine leukosis virus weak positive serum</b>	903-BDV	2.0 mL	Varies	Yes	\$57.00	Bovine origin--agar gel immunodiffusion control
<b>Bovine papular stomatitis virus</b>	080-BDV	0.6 mL	1	Yes	\$70.00	Field isolate--Texas A&M, 1976
<b>Bovine papular stomatitis virus antiserum</b>	380-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine parvovirus</b>	090-BDV	0.6 mL	1	Yes	\$70.00	Washington strain
<b>Bovine parvovirus antiserum</b>	390-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine parvovirus fluorescent antibody conjugate</b>	690-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source
<b>Bovine respiratory syncytial virus fluorescent antibody conjugate</b>	710-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source
<b>Bovine rotavirus antiserum</b>	430-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
<b>Bovine rotavirus fluorescent antibody conjugate</b>	730-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source
<b>Bovine viral diarrhea (BVD) fluorescent antibody (FA) conjugate</b>	244-FA	1.0 mL	Varies	Yes	\$167.00	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) fluorescent antibody (FA) conjugate</b>	243-FA	1.0 mL	Varies	Yes	\$167.00	Bovine origin, use in the BVD FA test to identify cytopathic and noncytopathic strains of BVD virus in infected cell cultures

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Page 10 of 49

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<b>Bovine viral diarrhea (BVD) type 1 virus neutralization (VN) positive control serum</b>	455-BDV	2.0 mL	12	Yes	\$57.00	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	\$57.00	Positive control serum for BVD type 2 VN test (diluted)
<b>Bovine viral diarrhea virus antiserum</b>	440-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source--multivalent
<b>Brucella abortus control serum</b>	12-	1.0 mL		Yes	\$146.00	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>	12H-CDC	2.0 mL	Varies	Yes	\$292.00	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) high positive control serum</b>	12-H	2.0 mL	Varies	*	\$292.00	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>	12-L	2.0 mL	Varies	*	\$292.00	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	\$292.00	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	*	\$86.00	Serum is used in the Brucella abortus complement fixation (CF) test to monitor the functioning of test systems

Print Date: 6/23/2025

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**Please note: The NVSL distributes reagents for veterinary use only**

Page 11 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Brucella abortus control serum - Brucella abortus complement fixation (CF) negative control serum</b>	12N-CDC	2.0 mL	Varies	Yes	\$86.00	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 RB51</b>	19	N/A	N/A	Yes	\$645.00	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	*	\$350.00	Antigen is used in the card test
<b>Brucella antigen - Brucella abortus card test antigen, buffered Brucella antigen--(BBA), or Rose Bengal (RB) antigen</b>	150-AMP	18.0 mL	500	*	\$100.00	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	*	\$350.00	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	*	\$264.00	Antigen used in the Brucellosis milk ring test
<b>Brucella antigen - Brucella abortus ring test antigen (BRT) (HIRT)</b>	5	60.0 mL	500	*	\$527.00	Antigen used in the Brucellosis milk ring test
<b>Brucella antigen - Brucella abortus standard plate antigen (SPT)</b>	1	60.0 mL	500	*	\$350.00	Antigen used in the standard plate test (SPT)
<b>Brucella antigen - Brucella abortus tube antigen</b>	3-CDC	3.0 mL		Yes	\$17.00	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	\$264.00	Antigen used for the Brucella canis 2-Mercaptoethanol (ME) tube agglutination test

Print Date: 6/23/2025

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Page 12 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Brucella antigen – Brucella ovis enzyme-linked immunosorbent assay (ELISA) antigen</b>	9-ELA	2.0 mL	Varies	Yes	\$167.00	Antigen used in the Brucella ovis enzyme-linked immunosorbent assay (ELISA)
<b>Brucella antigen - Brucellosis card test kit without antigen</b>	150-KIT	500	500	*	\$248.00	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.
<b>Brucella antigen - buffered Brucella antigen</b>	10-G	60.0 mL	2000	*	\$334.00	3% cell concentration for testing small ruminants on the brucella card test
<b>Brucella antigen - buffered Brucella antigen</b>	10-G10	10.0 mL	330	*	\$55.67	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 plate antigen (BAPA test)</b>	2	60.0 mL	200	*	\$404.00	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	\$146.00	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	\$43.00	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	\$146.00	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	\$146.00	Serum is used in the Brucella ovis enzyme-linked immunosorbent assay (ELISA) to monitor the functioning of test systems

Print Date: 6/23/2025

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Please note: The NVSL distributes reagents for veterinary use only

Page 13 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Brucella control serum - Brucella ovis enzyme-linked immunosorbent assay (ELISA) negative control serum</b>	9-N	1.0 mL	Varies	Yes	\$43.00	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	\$146.00	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	\$146.00	Serum is used in the Brucella ovis complement fixation (CF) test to monitor the functioning of test systems (4+10).
<b>Brucella control serum - Brucella ovis hill's complement fixation (CF) medium positive control serum</b>	412-M	1.0 mL	Varies	Yes	\$146.00	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	\$43.00	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	\$146.00	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	\$43.00	Swine brucellosis negative control serum
<b>Brucella culture - Brucella abortus strain 1119-3 original seed</b>	16	1.0 mL	N/A	Yes	\$645.00	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	\$645.00	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	\$645.00	Brucella isolates, various species available. Sent as live cultures in glycerol. Call (515) 337-7526 for availability. Must be registered for select agents.

Print Date: 6/23/2025

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Page 14 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Brucella isolate non select agent - multiple species available</b>	BRU-NS	1.0 mL	N/A	Yes	\$645.00	Brucella isolates, various species available. Sent as live cultures in glycerol. Call (515) 337-7526 for availability
<b>Brucella killed cells suspended in saline or phenol saline</b>	18	5.0 mL	N/A	Yes	\$41.00	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	\$645.00	Host strain = B. abortus strain 19
<b>Brucella phage R/C</b>	BP-RC	1.0 mL	N/A	Yes	\$645.00	Host strain = B. canis strain RM6/66
<b>Brucella phage tbilisi</b>	BP-TB	1.0 mL	N/A	Yes	\$645.00	Also known as TB, host strains = B. abortus strains 544 and 19, ATCC 23448-B1
<b>Brucella phage Wb</b>	BP-WB	1.0 mL	N/A	Yes	\$645.00	Host strains = B. abortus strain 19 and B. suis strain 1330
<b>Brucella proficiency test - Brucella abortus check test serum</b>	512	Varies	Varies	*	\$774.00	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	\$143.00	Brucella species cells, non-viable. Various species available. Call (515) 337-7526 for availability
<b>Brucella species DNA</b>	BRU-DNA	Varies	N/A	Yes	\$178.75	Brucella species DNA. Various species available. Call (515) 337-7526 for availability
<b>Brucellosis card test replacement cards</b>	150-CRD	50/package	500	*	\$43.00	Replacement cards
<b>Cache valley antiserum</b>	383-ODV	2.0 mL		Yes	\$280.00	For use in Virus Neutralization (VN) testing
<b>Calici-1 antiserum strain 1</b>	301-CDV	2.0 mL	Varies	Yes	\$57.00	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	\$70.00	San Miguel sea lion virus type 1
<b>Calici-13 antiserum strain 13</b>	313-CDV	2.0 mL	Varies	Yes	\$57.00	Calici-13 San Miguel sea lion virus type 13 virus neutralization (VN) positive control serum

Print Date: 6/23/2025

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Page 15 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Calici-13 San Miguel sea lion virus type 13	013-CDV	0.6 mL	1	Yes	\$70.00	San Miguel sea lion virus type 13
Calici-14 antiserum strain 14	314-CDV	2.0 mL	Varies	Yes	\$57.00	Calici-14 San Miguel sea lion virus type 14 virus neutralization (VN) positive control serum
Calici-14 San Miguel sea lion virus type 14	014-CDV	0.6 mL	1	Yes	\$70.00	San Miguel sea lion virus type 14
Calici-2 antiserum strain 2	302-CDV	2.0 mL	Varies	Yes	\$57.00	Calici-2 San Miguel sea lion virus type 2 virus neutralization (VN) positive control serum
Calici-2 San Miguel sea lion virus type 2	002-CDV	0.6 mL	1	Yes	\$70.00	San Miguel sea lion virus type 2
Calici-4 antiserum strain 4	304-CDV	2.0 mL	Varies	Yes	\$57.00	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	\$70.00	San Miguel sea lion virus type 4
Calici-5 antiserum strain 5	305-CDV	2.0 mL	Varies	Yes	\$57.00	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	\$70.00	San Miguel sea lion virus type 5
Calici-6 antiserum strain 6	306-CDV	2.0 mL	Varies	Yes	\$57.00	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	\$70.00	San Miguel sea lion virus type 6
Calici-7 antiserum strain 7	307-CDV	2.0 mL	Varies	Yes	\$57.00	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	\$70.00	San Miguel sea lion virus type 7
Calici-8 antiserum strain 8	308-CDV	2.0 mL	Varies	Yes	\$57.00	Calici-8 San Miguel sea lion virus type 8 virus neutralization (VN) positive control serum

Print Date: 6/23/2025

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Page 16 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Calici-8 San Miguel sea lion virus type 8	008-CDV	0.6 mL	1	Yes	\$70.00	San Miguel sea lion virus type 8
Canine influenza virus H3N2	004-IDV	0.6 mL	N/A	Yes	\$645.00	A/canine/Illinois/12191/2015(H3N2)
Cell line - Bovine turbinate primary cells	016-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Dog kidney primary (DKP)	005-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Embryonic bovine kidney primary (EBK)	008-TDV	3.0 mL	N/A	Yes	\$683.00	Low passage from primary
Cell line - Embryonic bovine lung primary (EBL)	002-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Embryonic equine kidney primary (EEK)	014-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Equine dermis primary (EQDER)	003-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Kitten kidney primary (KKP)	010-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Marek's derived spleen b-lymphoblastoid (MSB-1)	017-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Porcine kidney (Circovirus Free) PK-15N	006-TDV	3.0 mL	N/A	Yes	\$683.00	
Cell line - Rabbit kidney, clone 13 - BVD free	004-TDV	3.0 mL	N/A	Yes	\$683.00	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	\$683.00	SV-40 virus transformed hamster kidney (SV40)
Cell line - Swine kidney primary (SKP)	013-TDV	3.0 mL	N/A	Yes	\$683.00	

Print Date: 6/23/2025

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Page 17 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Chronic wasting disease immunohistochemistry control block</b>	CWS-CB			*	N/A	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>Classical Swine Fever (CSF) serum panels</b>	CSF-NEG	1.0 mL	Varies	Yes	\$602.00	Panel consists of sera obtained from 14 swine with no antibody responses to CSF. Contact 515-337-7317 for more information.
<b>Classical Swine Fever (CSF) serum panels</b>	CSF-POS	1.0 mL	Varies	Yes	\$726.00	Panel consists of sera obtained from 6 CSFV C strain vaccinated swine with a positive antibody response to the CSF ELISA. Contact 515-337-7317 for more information.
<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	\$730.00	CEM high positive control serum
<b>Contagious equine metritis (CEM) plates - Eugon Agar w/10% chocolate horse blood</b>	CEM-332			Yes		Available commercially. Contact laboratory with questions (515) 337-7526.
<b>Contagious equine metritis (CEM) plates - Selective inhibitors/modified Timoney Shin</b>	CEM-331			Yes		Available commercially. Contact laboratory with questions (515) 337-7526.
<b>Contagious equine metritis (CEM) proficiency test panel</b>	CEM-CHK	N/A	N/A	Yes	\$774.00	Proficiency test for Contagious Equine Metritis (CEM). Conducted yearly, contact laboratory at (515) 337-7526.
<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.

Print Date: 6/23/2025

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Page 18 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Contagious equine metritis (CEM) uterine swab - includes Amies transport media</b>	CEM-003	1 swab	1	Yes	\$6.25	For transportation of equine swabs to NVSL for CEM culture. Inoculated swabs must be refrigerated during shipment.
<b>Dourine (Trypanosoma equiperdum) complement fixation test (CF) antigen</b>	160	1.0 mL	50	Yes	\$597.00	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	\$334.00	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	\$334.00	High titer positive control serum used in serologic tests to detect antibodies to Trypanosoma equiperdum
<b>Duck viral enteritis (DVE) fluorescent antibody (FA) conjugate</b>	631-ADV	1.0 mL	Varies	Yes	\$167.00	Use to detect DVE viral antigen in infected cells or tissues by FA techniques (Holland B vaccine strain)
<b>Eperythrozoon wenyoni agar gel immunodiffusion (AGID) enhancement serum</b>	402-M	1.0 mL	30	Yes	\$1,194.00	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	\$2,388.00	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	\$334.00	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	\$334.00	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	\$420.00	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

Print Date: 6/23/2025

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Page 19 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Epizootic Hemorrhagic Disease (EHD) agar gel immunodiffusion (AGID) virus - EHDV Serotype 2</b>	045-ODV	1.0 mL	60	Yes	\$116.67	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	\$86.00	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	\$103.00	Agar gel immunodiffusion control serum - bovine origin
<b>Epizootic hemorrhagic disease virus</b>	040-ODV	0.6 mL	Varies	Yes	\$70.00	Type 1--New Jersey
<b>Epizootic hemorrhagic disease virus</b>	041-ODV	0.6 mL	Varies	Yes	\$70.00	Type 2--Alberta
<b>Epizootic hemorrhagic disease virus antiserum</b>	340-ODV	2.0 mL	Varies	Yes	\$280.00	Type 1 specific--bovine origin
<b>Epizootic hemorrhagic disease virus antiserum</b>	341-ODV	2.0 mL	Varies	Yes	\$280.00	Type 2 specific--bovine origin
<b>Epizootic hemorrhagic disease virus fluorescent antibody conjugate</b>	640-ODV	1.0 mL	Varies	Yes	\$167.00	Produced from goat-origin antiserum, for use on cell cultures or tissue sections
<b>Equine adenovirus</b>	001-EDV	0.6 mL	1	Yes	\$70.00	Horse cell culture for production of stock virus
<b>Equine adenovirus fluorescent antibody conjugate</b>	601-EDV	1.0 mL	Varies	Yes	\$167.00	For use on cell cultures or tissue sections
<b>Equine herpesvirus (EHV) 1 antiserum (porcine origin)</b>	340-EDV	2.0 mL	Varies	Yes	\$103.00	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	\$167.00	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	\$70.00	For production of stock virus
<b>Equine herpesvirus (EHV) 1 virus, wild-type</b>	045-EDV	0.6 mL	Varies	Yes	\$70.00	Equine herpesvirus 1, wild-type (ORF30A); for PCR control

Print Date: 6/23/2025

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Page 20 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Equine herpesvirus (EHV) 2 antiserum (porcine origin)	341-EDV	2.0 mL	Varies	Yes	\$103.00	Positive control for virus neutralization (VN) test - heat inactivated
Equine herpesvirus (EHV) 3 antiserum (porcine origin)	342-EDV	2.0 mL	Varies	Yes	\$103.00	Positive control for virus neutralization (VN) test - heat inactivated
Equine herpesvirus (EHV) 4 virus, respiratory herpesvirus, equine origin cell culture	044-EDV	0.6 mL	N/A	Yes	\$70.00	For production of stock virus
Equine herpesvirus (EHV) negative control serum (equine origin)	343-EDV	2.0 mL	Varies	Yes	\$86.00	Negative control for the EH virus neutralization (VN) test for types 1 and 3 - heat inactivated
Equine infectious anemia (EIA) check test	EIA-CHK	N/A	N/A	Yes	\$774.00	Proficiency test for equine infectious anemia certification
Equine infectious anemia (EIA) negative serum	905-EDV	2.0 mL	Varies	Yes	\$86.00	Control for the agar gel immunodiffusion (AGID) test
Equine infectious anemia (EIA) strong positive serum	902-EDV	2.0 mL	Varies	Yes	\$103.00	Control for the agar gel immunodiffusion (AGID) test
Equine infectious anemia (EIA) weak positive serum	903-EDV	2.0 mL	Varies	Yes	\$103.00	Control for the agar gel immunodiffusion (AGID) test. Only 5 vials will be approved per order.
Equine influenza antigen type 1 A/Equine/Prague/56	121-IDV	2.0 mL	Varies	Yes	\$36.00	Antigen for type A1 equine influenza. Produced in specific pathogen free eggs.
Equine influenza antigen type 2 Miami strain A/EQ/Miami/1/63	160-IDV	2.0 mL	Varies	Yes	\$36.00	Inactivated virus for the hemagglutination-inhibition test. Antigen for type A2 equine influenza. Produced in specific pathogen free eggs.
Equine influenza antigen type 2 Ohio strain A/EQ/OH/03	141-IDV	2.0 mL	Varies	Yes	\$36.00	Inactivated virus for the hemagglutination-inhibition test. Antigen for type A2 equine influenza. Produced in specific pathogen free eggs.
Equine influenza antigen type 2 Richmond strain A EQ/Rich/07	142-IDV	2.0 mL	Varies	Yes	\$36.00	Inactivated virus for the hemagglutination-inhibition test. Antigen for type A2 equine influenza. Produced in specific pathogen free eggs.

Print Date: 6/23/2025

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Page 21 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Equine influenza virus A-2 Alaska	020-IDV	0.6 mL	Varies	Yes	\$70.00	A-2 Alaska/91 seed virus, egg origin
Equine influenza virus A-2 Kentucky	040-IDV	0.6 mL	Varies	Yes	\$70.00	A-2 Kentucky/81 seed virus
Equine influenza virus A-2 Miami	060-IDV	0.6 mL	Varies	Yes	\$70.00	A-2 Miami/63 seed virus
Equine influenza virus antiserum A-1 Prague	321-IDV	2.0 mL	Varies	Yes	\$135.00	A-1 Prague, positive control for hemagglutination-inhibition test
Equine influenza virus antiserum A-2 Kentucky	340-IDV	2.0 mL	Varies	Yes	\$135.00	A-2 Kentucky, positive control for hemagglutination-inhibition test
Equine influenza virus antiserum A-2 Miami	360-IDV	2.0 mL	Varies	Yes	\$135.00	A-2 Miami, positive control for hemagglutination-inhibition test
Equine influenza virus antiserum A-2 Ohio	341-IDV	2.0 mL	Varies	Yes	\$135.00	Positive control serum to EQ FLU OH 03 141IDV
Equine influenza virus antiserum A-2 Richmond	342-IDV	2.0 mL	Varies	Yes	\$135.00	Positive control serum to EQ FLU Rich07 142IDV
Equine negative serum - piroplasmosis, dourine, and glanders	76-N	1.0 mL	40	Yes	\$43.00	Equine serum negative for antibodies to B. equi, B. caballi, T. equiperdum, and B. (Pseudomonas) mallei. Serum is used as negative control in the serologic tests for equine piroplasmosis, dourine and glanders
Equine piroplasmosis cELISA proficiency test	PIR-CHK	N/A	N/A	Yes	\$774.00	Equine piroplasmosis cELISA Proficiency Test. This proficiency test is available only to laboratories currently approved or in the approval process to perform the cELISA for Equine Piroplasmosis.
Equine viral arteritis (EVA) antibody	371-EDV	2.0 mL	N/A	Yes	\$103.00	EVA weak positive reference serum
Equine viral arteritis (EVA) antiserum	370-EDV	2.0 mL	Varies	Yes	\$103.00	Positive control for virus neutralization (VN) and indirect fluorescent antibody (IFA) tests
Equine viral arteritis (EVA) check test	EVA-CHK	N/A	N/A	Yes	\$774.00	Proficiency test for Equine viral arteritis (EVA)
Equine viral arteritis (EVA) negative control serum	372-EDV	2.0 mL	Varies	Yes	\$86.00	Negative control for the EVA virus neutralization (VN) test

Print Date: 6/23/2025

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Page 22 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Flazo orange counterstain</b>	29	3.0 mL	Varies	Yes	\$29.00	Counterstain to quench background fluorescence in fluorescent antibody testing
<b>Fowl pox antiserum</b>	461-ADV	2.0 mL	Varies	Yes	\$135.00	Antiserum prepared in chickens against challenge virus FP 73-1. This reagent is no longer being produced; limited availability
<b>Glanders complement fixation (CF) test antigen</b>	165	2.0 mL	50	Yes	\$350.00	Antigen is used in the CF test for detecting antibodies to Burkholderia mallei. This reagent is no longer being produced. The expiration date for current product is October 22, 2024. If available, product will be sold up to the expiration date.
<b>Glanders low titer positive control serum, lyophilized</b>	166-L	1.0 mL	40	Yes	\$146.00	Low titer positive control serum used in serologic tests to detect antibodies to Burkholderia mallei
<b>Glanders positive control serum, high titer</b>	166-H	1.0 mL	40	Yes	\$146.00	High titer positive control serum used in serologic tests to detect antibodies to Burkholderia (Pseudomonas) mallei
<b>Goat origin anti-chicken fluorescent antibody (FA) conjugate</b>	291-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with chicken serum
<b>Goat origin anti-chicken horseradish peroxidase-labeled conjugate</b>	291-R2	1.0 mL	Varies	Yes	\$167.00	Use in enzyme immunoassays with chicken serum
<b>Goat origin anti-guinea pig fluorescent antibody (FA) conjugate</b>	296-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with guinea pig serum
<b>Goat origin anti-mouse fluorescent antibody (FA) conjugate</b>	221-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with mouse serum
<b>Goat origin anti-mouse horseradish peroxidase-labeled conjugate</b>	221-R2	1.0 mL	Varies	Yes	\$167.00	Use in enzyme immunoassays with mouse serum
<b>Goat origin anti-porcine fluorescent antibody (FA) conjugate</b>	191-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with porcine serum
<b>Goat origin anti-porcine horseradish peroxidase-labeled conjugate</b>	191-R2	1.0 mL	Varies	Yes	\$167.00	Use in enzyme immunoassays with porcine serum

Print Date: 6/23/2025

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Page 23 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Goat origin anti-rabbit fluorescent antibody (FA) conjugate	171-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with rabbit serum
Goat origin anti-rabbit horseradish peroxidase-labeled conjugate	171-R2	1.0 mL	Varies	Yes	\$167.00	Use in enzyme immunoassays with rabbit serum
Highly pathogenic avian influenza (HPAI) inactivated antigen, H5N1	137-ADV	2.0 mL		Yes	\$645.00	Limit 2 vials; 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	133-ADV	2.0 mL		Yes	\$645.00	2015 US Midwest H5N2 HPAI isolate (A/TY/MN/9845-4/2015 H5N2 HPAI inactivated antigen)
Highly pathogenic avian influenza (HPAI) inactivated antigen, H5N2	134-ADV	2.0 mL		Yes	\$645.00	2015 US Midwest H5N2 HPAI isolate (A/TY/MN/12582/2015 H5N2 HPAI inactivated antigen)
Highly pathogenic avian influenza (HPAI) inactivated antigen, H5N8	135-ADV	2.0 mL		Yes	\$645.00	A/gyrfalcon/Washington/41088-6/2014(H5N8) – courtesy of USGS NWHC and Washington State
Infectious bronchitis virus	112-ADV	0.6 mL	1	Yes	\$70.00	Virus (Beaudette strain) propagated in chicken embryos
Infectious bursal disease (IBD) antiserum	420-ADV	2.0 mL	Varies	Yes	\$135.00	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	\$70.00	Cell culture virus (Edgar strain) propagated in chicken embryo cells
Infectious bursal disease (IBD) virus (embryo)	124-ADV	0.6 mL	1	Yes	\$70.00	Embryo-adapted chicken embryo-propagated virus, NVSL challenge virus strain
Infectious laryngotracheitis (ILT) fluorescent antibody (FA) conjugate	633-ADV	1.0 mL	Varies	Yes	\$167.00	Use to detect ILT viral antigen in infected cell cultures or tissues by FA techniques. NVSL challenge virus strain LT 83-2.
Infectious laryngotracheitis (ILT) virus	033-ADV	0.6 mL	1	Yes	\$70.00	Cell culture virus (strain Cover) propagated in chick embryo kidney cells

Print Date: 6/23/2025

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Page 24 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Infectious laryngotracheitis (ILT) virus antiserum</b>	333-ADV	2.0 mL	Varies	Yes	\$135.00	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	\$242.00	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	\$242.00	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	\$242.00	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	\$242.00	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	\$242.00	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	\$242.00	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	\$242.00	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	\$73.00	Serum from characterized Johne's disease status animals (call (515) 337-7563 for current list)
<b>Leptospira microscopic agglutination negative control serum</b>	LEP-NEG	2.0 mL	Varies	Yes	\$86.00	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	\$108.00	Rabbit origin multivalent fluorescent antibody conjugate (FITC-bound)

Print Date: 6/23/2025

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Page 25 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Leptospira reference antiserum, rabbit origin, 200+ strains other than those listed for MAT purposes</b>	LEP-ANT	2.0 mL	Varies	Yes	\$269.00	Reference antiserum for Leptospira generally not used in microscopic agglutination testing; contact laboratory regarding serovar/strain availability at (515) 337-7526
<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	\$242.00	Reference strains of Leptospira generally not used in microscopic agglutination testing; contact laboratory regarding serovar/strain availability at (515) 337-7526
<b>Leptospira reference serovar Australis, strain Ballico, liquid culture</b>	ARL-010	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	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	\$242.00	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	\$242.00	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	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Ballum, strain S 102, liquid culture</b>	BML-011	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	Reference control antiserum for microscopic agglutination test

Print Date: 6/23/2025

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Page 26 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Leptospira reference serovar Ballum, strain S 102, semi-solid culture</b>	BMS-011	6.0 mL	Varies	Yes	\$242.00	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	\$242.00	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	\$269.00	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	\$242.00	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	\$242.00	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	\$269.00	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	\$242.00	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	\$242.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Canicola, strain Hond Utrecht IV, rabbit antiserum</b>	CAA-010	2.0 mL	Varies	Yes	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes

Print Date: 6/23/2025

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Page 27 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Leptospira reference serovar Copenhageni (Ictero reference), strain M-20, liquid culture</b>	ICL-020	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Grippotyphosa, strain Andaman, liquid culture</b>	GRL-020	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Hardjo, strain Hardjoprajitino, liquid culture</b>	SJL-060	10.0 mL	Varies	Yes	\$242.00	Liquid culture for use in microscopic agglutination test
<b>Leptospira reference serovar Hardjo, strain Hardjoprajitino, rabbit antiserum</b>	SJA-060	2.0 mL	Varies	Yes	\$269.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Hardjo, strain Hardjoprajitino, semi-solid culture</b>	SJS-060	6.0 mL	Varies	Yes	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Hebdomadis, strain Hebdomadis, liquid culture</b>	HBL-010	10.0 mL	Varies	Yes	\$242.00	Liquid culture for use in microscopic agglutination test

Print Date: 6/23/2025

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Page 28 of 49

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<b>Leptospira reference serovar Hebdomadis, strain Hebdomadis, rabbit antiserum</b>	HBA-010	2.0 mL	Varies	Yes	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Pomona, strain Pomona, liquid culture</b>	POL-010	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Pyrogenes, strain Salinem, liquid culture</b>	PYL-010	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	Reference control antiserum for microscopic agglutination test
<b>Leptospira reference serovar Pyrogenes, strain Salinem, semi-solid culture</b>	PYS-010	6.0 mL	Varies	Yes	\$242.00	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	\$242.00	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	\$269.00	Reference control antiserum for microscopic agglutination test

Print Date: 6/23/2025

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Page 29 of 49

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<b>Leptospira reference serovar Sejroe, strain M 84, semi-solid culture</b>	SJS-010	6.0 mL	Varies	Yes	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Szwajizak, strain Szwajizak, liquid culture</b>	MIL-020	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes
<b>Leptospira reference serovar Tarassovi, strain Perepelitsin, liquid culture</b>	TAL-010	10.0 mL	Varies	Yes	\$242.00	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	\$269.00	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	\$242.00	Semi-solid culture for stock culture purposes
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's enzyme-linked immunosorbent assay (ELISA) proficiency test</b>	JEL-CHK	N/A	N/A	Yes	\$774.00	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	\$774.00	Pooling proficiency panel. 25 - 10mL vials of feces. Conducted yearly, contact laboratory at (515) 337-7526

Print Date: 6/23/2025

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Page 30 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis - Johne's fecal proficiency test kit</b>	JFE-CHK	N/A	N/A	Yes	\$774.00	Individual sample proficiency panel. 26 - 10mL vials of feces. Conducted yearly, contact laboratory at (515) 337-7526
<b>Mycobacterium - Mycobacterium avium ssp. Paratuberculosis (Johne's) fecal sample</b>	MAP-POS	5 samples	1	Yes	\$36.00	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 samples	1	Yes	\$36.00	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	\$108.00	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	\$82.00	Product requires 30 days advanced notice when ordering. 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-B1	1.0 mL	5 - 6	*	\$41.00	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-B5	5.0 mL	35 - 40	*	\$205.00	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	*	\$410.00	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.

Print Date: 6/23/2025

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Page 31 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Mycobacterium antigen - mycobacterium bovis purified protein derivative (PPD) (cervical test)</b>	31-CER	2.0 mL	15 - 17	*	\$82.00	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	\$210.00	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	\$41.00	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	*	\$41.00	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.
<b>Mycobacterium antigen - purified protein derivative (PPD) bovis balanced tuberculin (comparative cervical test)</b>	31-BAL	1.0 mL	5 - 6	*	\$41.00	The ordering and use of the Balanced Tuberculins require approval of the Assistant District Director and are for use by CCT trained federal/regulatory veterinarians only. Used to test bovine and other species of animals for relative sensitivity to Mycobacterium bovis and M. avium tuberculoprotein by the comparative cervical method--contains 1.0 mg protein/mL.

Print Date: 6/23/2025

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Please note: The NVSL distributes reagents for veterinary use only**

Page 32 of 49

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Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Mycobacterium bovis Cervid TB Stat-Pak serum shipping kit</b>	STA-PAK	N/A	80	Yes	\$43.00	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	\$72.00	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	\$72.00	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	\$72.00	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 control serum - Mycobacterium paratuberculosis (Johne's) enzyme-linked immunosorbent assay (ELISA) negative control serum</b>	137-N	2.0 mL	Varies	Yes	\$86.00	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	\$86.00	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	\$146.00	Serum is used in the Johne's disease complement fixation (CF) test to monitor the functioning of the test system

Print Date: 6/23/2025

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**Please note: The NVSL distributes reagents for veterinary use only**

Page 33 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<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	\$146.00	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	\$146.00	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	\$146.00	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-S	Varies	N/A	Yes	\$242.00	Mycobacterium field isolates. Sent as live cultures on slants. Call (515) 337-7526 for availability.
<b>Mycobacterium field isolate - multiple species available</b>	MYC-F	1.0 mL	N/A	Yes	\$242.00	Mycobacterium field isolates. Sent as glycerol stock. Call (515) 337-7526 for availability
<b>Mycobacterium reference culture - multiple species available</b>	MYC-R	1.0 mL		Yes	\$645.00	Mycobacterium isolates for use as reference strains. Certificate of Analysis is provided with each order. Supplied as a glycerol stock Call (515) 337-7526 for availability
<b>Mycobacterium species cells, non-viable</b>	MYC-NV	Varies	N/A	Yes	\$143.00	Mycobacterium species cells, non-viable. Various species available. Call (515) 337-7526 for availability
<b>Mycobacterium species DNA</b>	MYC-DNA	Varies	N/A	Yes	\$178.75	Mycobacterium species DNA. Various species available. Call (515) 337-7526 for availability
<b>Mycoplasma - chicken serum, negative for Mycoplasma antibodies</b>	119	2.0 mL	Varies	Yes	\$86.00	Used as a negative control in plate or hemagglutination-inhibition test

Print Date: 6/23/2025

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Please note: The NVSL distributes reagents for veterinary use only**

Page 34 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Mycoplasma - turkey serum, negative for mycoplasma antibodies</b>	109	2.0 mL	Varies	Yes	\$86.00	Used as a negative control in plate or hemagglutination-inhibition tests
<b>Mycoplasma gallisepticum hemagglutination antigen</b>	100	5.0 mL	Varies	Yes	\$430.00	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	\$430.00	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	\$430.00	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	\$430.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma gallisepticum positive control serum, chicken origin, range in titer of 1:640 - 1:1280</b>	104-H	2.0 mL	Varies	Yes	\$430.00	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	\$430.00	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	\$430.00	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	\$430.00	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	\$430.00	Used as a positive control serum in hemagglutination-inhibition (HI) test

Print Date: 6/23/2025

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**Please note: The NVSL distributes reagents for veterinary use only**

Page 35 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Mycoplasma meleagridis hemagglutination antigen</b>	110	5.0 mL	Varies	Yes	\$430.00	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	\$430.00	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	\$430.00	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	\$430.00	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	\$430.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Mycoplasma synoviae fluorescent antibody conjugate, multivalent, chicken origin</b>	MSC-FAC	0.5 mL	Varies	Yes	\$54.00	Chicken origin multivalent fluorescent antibody conjugate (FITC bound)
<b>Mycoplasma synoviae fluorescent antibody conjugate, multivalent, rabbit origin</b>	MSR-FAC	0.5 mL	Varies	Yes	\$54.00	Rabbit origin multivalent fluorescent antibody conjugate (FITC bound)
<b>Mycoplasma synoviae hemagglutination antigen</b>	120	5.0 mL	Varies	Yes	\$430.00	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	\$430.00	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	\$430.00	Used as a positive control serum in hemagglutination-inhibition (HI) test

Print Date: 6/23/2025

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Page 36 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Mycoplasma synoviae positive control serum, chicken origin, range in titer of 1:40 - 1:80</b>	124-L	2.0 mL	Varies	Yes	\$430.00	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	\$430.00	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	\$430.00	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	\$430.00	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	\$430.00	Used as a positive control serum in hemagglutination-inhibition (HI) test
<b>Newcastle disease (ND) antigen</b>	136-ADV	2.0 mL	Varies	Yes	\$140.00	For use in the hemagglutination and hemagglutination-inhibition (HI) tests. Beta-propiolactone inactivated (LaSota strain)
<b>Newcastle disease (ND) antiserum</b>	433-ADV	2.0 mL	Varies	Yes	\$135.00	Antiserum prepared in chickens against LaSota strain
<b>Newcastle disease (ND) transcribed RNA</b>	200-ADV	0.05 mL	Varies	*	\$108.00	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.
<b>Newcastle disease (ND) virus</b>	132-ADV	0.6 mL	1	Yes	\$70.00	Virus (LaSota strain) propagated in chick embryos
<b>Normal specific pathogen free chicken serum</b>	907-ADV	5.0 mL	Varies	Yes	\$215.00	Used as a negative control serum for avian serology

Print Date: 6/23/2025

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Page 37 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Normal turkey serum	906-ADV	0.6 mL	Varies	Yes	\$25.80	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	\$57.00	Ovine origin--agar gel immunodiffusion (AGID) control
Parainfluenza-3 virus	170-BDV	0.6 mL	1	Yes	\$70.00	SF-4 strain
Parainfluenza-3 virus antiserum	470-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
Parainfluenza-3 virus fluorescent antibody conjugate	770-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source
Pasteurella multocida type 1 antiserum	20-T1	1.0 mL	Varies	Yes	\$215.00	Reference control antiserum for use in the gel diffusion precipitin test
Pasteurella multocida type 1, reference culture X-73	21-T1	10.0 mL	Varies	Yes	\$242.00	Used to prepare reference control antigen for the gel diffusion precipitin test
Pasteurella multocida type 10 antiserum	20-T10	1.0 mL	Varies	Yes	\$215.00	Reference control antiserum for use in the gel diffusion precipitin test
Pasteurella multocida type 10, reference culture P-2100	21-T10	10.0 mL	Varies	Yes	\$242.00	Used to prepare reference control antigen for the gel diffusion precipitin test
Pasteurella multocida type 11 antiserum	20-T11	1.0 mL	Varies	Yes	\$215.00	Reference control antiserum for use in the gel diffusion precipitin test
Pasteurella multocida type 11, reference culture P-903	21-T11	10.0 mL	Varies	Yes	\$242.00	Used to prepare reference control antigen for the gel diffusion precipitin test
Pasteurella multocida type 12 antiserum	20-T12	1.0 mL	Varies	Yes	\$215.00	Reference control antiserum for use in the gel diffusion precipitin test
Pasteurella multocida type 12, reference culture P-1573	21-T12	10.0 mL	Varies	Yes	\$242.00	Used to prepare reference control antigen for the gel diffusion precipitin test
Pasteurella multocida type 13 antiserum	20-T13	1.0 mL	Varies	Yes	\$215.00	Reference control antiserum for use in the gel diffusion precipitin test

Print Date: 6/23/2025

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Page 38 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Pasteurella multocida type 13, reference culture P-1591</b>	21-T13	10.0 mL	Varies	Yes	\$242.00	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	\$215.00	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	\$242.00	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	\$215.00	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	\$242.00	Used to prepare reference control antigen for the gel diffusion precipitin test
<b>Pasteurella multocida type 16 antiserum</b>	20-T16	1.0 mL	Varies	Yes	\$215.00	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	\$242.00	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	\$215.00	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	\$242.00	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	\$215.00	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	\$242.00	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	\$215.00	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	\$242.00	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	\$215.00	Reference control antiserum for use in the gel diffusion precipitin test

Print Date: 6/23/2025

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Page 39 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Pasteurella multocida type 5, reference culture P-1702</b>	21-T5	10.0 mL	Varies	Yes	\$242.00	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	\$215.00	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	\$242.00	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	\$215.00	Reference control antiserum for use in the gel diffusion precipitin test
<b>Pasteurella multocida type 7, reference culture P-1997</b>	21-T7	10.0 mL	Varies	Yes	\$242.00	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	\$215.00	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	\$242.00	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	\$215.00	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	\$242.00	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	\$72.00	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	\$72.00	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.

Print Date: 6/23/2025

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**Please note: The NVSL distributes reagents for veterinary use only**

Page 40 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>PCR control, direct, positive tissue with Mycobacterium tuberculosis H37a</b>	TBD-POS	10.0 mL	100	Yes	\$72.00	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-5	5.0 mL	Varies	Yes	\$4.88	Semisolid 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	\$97.50	Medium used to propagate Leptospira for use in microscopic agglutination testing
<b>Polysorbate-80 bovine albumin medium (P-80 BA)</b>	LTM-10	10.0 mL	Varies	Yes	\$9.75	Medium used to propagate Leptospira for use in microscopic agglutination testing
<b>Porcine adenovirus antiserum</b>	330-PDV	2.0 mL	Varies	Yes	\$242.00	Porcine source
<b>Porcine adenovirus fluorescent antibody conjugate</b>	630-PDV	1.0 mL	Varies	Yes	\$167.00	Porcine source
<b>Porcine deltacoronavirus</b>	026-PDV	0.6 mL		Yes	\$645.00	
<b>Porcine epidemic diarrhea virus antiserum</b>	328-PDV	2.0 mL		Yes	\$242.00	Porcine Source Antiserum - undiluted
<b>Porcine epidemic diarrhea virus, CO isolate</b>	025-PDV	0.6 mL		Yes	\$645.00	Porcine epidemic diarrhea virus, CO isolate
<b>Porcine hemagglutinating encephalomyelitis virus (PHEV)</b>	001-PDV	0.6 mL	1	Yes	\$70.00	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	\$242.00	Porcine source
<b>Porcine hemagglutinating encephalomyelitis virus (PHEV) fluorescent antibody conjugate</b>	601-PDV	1.0 mL	Varies	Yes	\$167.00	Porcine source

Print Date: 6/23/2025

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Page 41 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Porcine hemagglutinating encephalomyelitis virus (PHEV) positive control serum</b>	315-PDV	2.0 mL	12	Yes	\$57.00	Positive control serum for PHEV hemagglutination-inhibition (HI) test (diluted)
<b>Porcine parvovirus (PPV)</b>	080-PDV	0.6 mL	Varies	Yes	\$70.00	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	\$242.00	Porcine source
<b>Porcine parvovirus (PPV) fluorescent antibody conjugate</b>	680-PDV	1.0 mL	Varies	Yes	\$167.00	For cell culture staining
<b>Porcine parvovirus (PPV) hemagglutination-inhibition (HI) positive control serum</b>	385-PDV	2.0 mL	12	Yes	\$57.00	Positive control serum for PPV hemagglutination-inhibition (HI) test (diluted)
<b>Porcine reovirus</b>	100-PDV	0.6 mL	1	Yes	\$70.00	Type 3
<b>Porcine reovirus antiserum</b>	400-PDV	2.0 mL	Varies	Yes	\$242.00	Porcine source
<b>Porcine reovirus fluorescent antibody conjugate</b>	700-PDV	1.0 mL	Varies	Yes	\$167.00	Porcine source
<b>Porcine reproductive and respiratory syndrome (PRRS) infected MARC-145 cells European N strain</b>	150-MDV	2 slides/set	N/A	Yes	\$36.00	Eight (8) chambered slides for indirect immunofluorescent assay testing (acetone-fixed). No longer produced, will be available until current stocks are depleted.
<b>Porcine reproductive and respiratory syndrome (PRRS) infected MARC-145 cells North American strain</b>	130-MDV	2 slides/set	N/A	Yes	\$36.00	Eight (8) chambered slides for indirect immunofluorescent assay testing (acetone-fixed). No longer produced, will be available until current stocks are depleted.
<b>Porcine rotavirus</b>	110-PDV	0.6 mL	1	Yes	\$70.00	Bohl's strain
<b>Porcine rotavirus antiserum</b>	410-PDV	2.0 mL	Varies	Yes	\$242.00	Porcine source
<b>Porcine rotavirus fluorescent antibody conjugate</b>	710-PDV	1.0 mL	Varies	Yes	\$167.00	Porcine source
<b>Pseudocowpox virus</b>	100-BDV	0.6 mL	1	Yes	\$70.00	Field isolate--NVSL accession number 73-9543

Print Date: 6/23/2025

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Page 42 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Pseudocowpox virus antiserum	400-BDV	2.0 mL	Varies	Yes	\$280.00	Bovine source
Pseudocowpox virus antiserum	401-BDV	2.0 mL	Varies	Yes	\$280.00	Porcine source
Pseudocowpox virus fluorescent antibody conjugate	700-BDV	1.0 mL	Varies	Yes	\$167.00	Bovine source
Pseudorabies check test (Aujeszky's) - ALAT	PRV-ALA	N/A	N/A	*	\$774.00	Semi-automated latex agglutination test proficiency panel. In U.S., must be an APHIS approved laboratory or in the process of becoming approved. Contact DVL at NVSL.DVL.TeamLeads@usda.gov.
Pseudorabies check test (Aujeszky's) - ELISA (gB or gI)	PRV-ELI	N/A	N/A	*	\$774.00	Enzyme-linked immunosorbent assay proficiency panel. In U.S., must be an APHIS approved laboratory or in the process of becoming approved. Contact DVL at NVSL.DVL.TeamLeads@usda.gov.
Pseudorabies check test (Aujeszky's) - VN	PRV-VNT	N/A	N/A	*	\$774.00	Virus neutralization proficiency panel. In U.S., must be an APHIS approved laboratory. Contact DVL at NVSL.DVL.TeamLeads@usda.gov.
Pseudorabies virus (Aujeszky's)	070-PDV	0.6 mL	1	*	\$70.00	Shope strain, virus for use in the pseudorabies virus neutralization (VN) test. In U.S., must be an APHIS approved laboratory. Contact DVL at NVSL.DVL.TeamLeads@usda.gov
Pseudorabies virus antiserum (Aujeszky's)	370-PDV	2.0 mL	Varies	*	\$242.00	Porcine source
Pseudorabies virus fluorescent antibody (FA) conjugate (Aujeszky's)	670-PDV	1.0 mL	Varies	*	\$167.00	Porcine source
Pseudorabies virus neutralization (VN) positive control serum	375-PDV	2.0 mL	12	Yes	\$57.00	Positive control serum (diluted) for use in the pseudorabies virus neutralization (VN) test. In U.S., must be an APHIS approved laboratory. Contact DVL at NVSL.DVL.TeamLeads@usda.gov.
Psittacine herpesvirus (PHV)	037-ADV	0.6 mL	1	Yes	\$70.00	Cell culture virus (NVSL strain 77-4441) propagated in chicken embryo kidney cells

Print Date: 6/23/2025

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Page 43 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Psittacine herpesvirus (PHV) antiserum</b>	337-ADV	2.0 mL	Varies	Yes	\$135.00	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	\$167.00	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	\$167.00	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	\$167.00	Use in enzyme immunoassays with bovine serum
<b>Rabbit origin anti-equine fluorescent antibody (FA) conjugate</b>	71-FA	1.0 mL	Varies	Yes	\$167.00	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	\$167.00	Use in enzyme immunoassays with equine serum
<b>Rabbit origin anti-goat fluorescent antibody (FA) conjugate</b>	176-FA	1.0 mL	Varies	Yes	\$167.00	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	\$167.00	Use in enzyme immunoassays with goat serum
<b>Rabbit origin anti-guinea pig fluorescent antibody (FA) conjugate</b>	196-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with guinea pig serum
<b>Rabbit origin anti-mouse fluorescent antibody (FA) conjugate</b>	211-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with mouse serum
<b>Rabbit origin anti-sheep fluorescent antibody (FA) conjugate</b>	181-FA	1.0 mL	Varies	Yes	\$167.00	Use in indirect FA tests with sheep serum
<b>Salmonella D National Poultry Improvement Plan proficiency test</b>	CHK-GRD	N/A	N/A	Yes	\$774.00	National Poultry Improvement Plan Salmonella Group D Contact laboratory for information--(515) 337-7526
<b>Salmonella pullorum high titer control antiserum</b>	28-H	2.0 mL	40	Yes	\$430.00	Used as positive control serum with NVSL products 28 and 28-P

Print Date: 6/23/2025

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Page 44 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Salmonella pullorum low titer control antiserum</b>	28-L	2.0 mL	40	Yes	\$430.00	Used as positive control serum with NVSL product 28
<b>Salmonella pullorum negative control antiserum</b>	28-N	2.0 mL	40	Yes	\$86.00	Used as negative control serum with NVSL products 28 and 28-P
<b>Salmonella pullorum stained microtiter antigen</b>	28	25.0 mL	500	Yes	\$651.00	Stained antigen used to detect antibody to the somatic antigens of Salmonella pullorum
<b>Salmonella pullorum tube test antigen</b>	28-P	5.0 mL	40	Yes	\$140.00	Used for detection of antibody against Salmonella pullorum somatic antigens
<b>Salmonella pullorum tube test antigen</b>	28-P25	25.0 mL	200	Yes	\$700.00	Used for detection of antibody against Salmonella pullorum somatic antigens
<b>Salmonella reference isolate</b>	SAL-REF			Yes	\$645.00	1 Salmonella Reference Isolate. Please contact laboratory at <a href="mailto:nvsl.bacteriology.case.manager@usda.gov">nvsl.bacteriology.case.manager@usda.gov</a> to confirm availability prior to order.
<b>Salmonella serotyping Proficiency Panel</b>	CHK-SAL	1.0 mL	N/A	Yes	\$774.00	Salmonella Serotyping Proficiency Panel, contact laboratory for availability, 10 isolates
<b>Schmallenberg antiserum</b>	081-ODV	2.0 mL		Yes	\$280.00	
<b>Scrapie Caprine PrP genotyping proficiency panel - FTA Cards</b>	PRC-FTA			Yes	\$774.00	Panel of FTA cards with Caprine whole blood. Conducted yearly, contact laboratory at (515) 337-7526 or 7837
<b>Scrapie Caprine PrP genotyping proficiency panel - Tissue</b>	PRC-TIS			Yes	\$774.00	Panel of 3mm Caprine ear punches in vials. Conducted yearly, contact laboratory at (515) 337-7526 or 7837
<b>Scrapie Caprine PrP genotyping proficiency panel - Whole Blood</b>	PRC-WB			Yes	\$774.00	Panel 1mL vials of whole blood. Conducted yearly, contact laboratory at (515) 337-7526 or 7837
<b>Scrapie genotyping control DNA</b>	SCR-DNA	25 uL		Yes	\$108.00	Scrapie genotyping control DNA

Print Date: 6/23/2025

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Page 45 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
Scrapie immunohistochemistry control block	CWS-CB			*	N/A	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	\$774.00	20 - 1mL vials of whole blood. Conducted yearly, contact laboratory at (515) 337-7526 or 7837
Scrapie Ovine PrP genotyping proficiency panel for fresh tissue	PRP-TIS			Yes	\$774.00	10 vials each with a 3mm Ovine ear punch. conducted yearly, contact laboratory at (515) 337-7526 or 7837
Scrapie Ovine PrP genotyping proficiency panel for FTA cards	PRP-FTA			Yes	\$774.00	20 FTA cards with Ovine whole blood. Conducted yearly, contact laboratory at (515) 337-7526 or 7837
Swine influenza 2009 H1N1 positive control RNA for N1 PCR	305-IDV	0.05 mL	625	*	\$108.00	Swine Influenza 2009 H1N1 positive control RNA for N1 PCR
Swine influenza virus (SIV)	SIV-REP	0.6 mL	N/A	Yes	\$645.00	SIV repository isolates
Swine influenza virus (SIV) antigen, H3N2	030-IDV	2.0 mL	125	Yes	\$140.00	A/swine/Iowa/A01480656/2014 (Light Green)-- Swine influenza virus (SIV) antigen, H3N2 use in the SIV hemagglutination-inhibition test. Beta propiolactone inactivated.
Swine influenza virus (SIV) fluorescent antibody conjugate H1N1	601-IDV	1.0 mL	Varies	Yes	\$167.00	Porcine source
Swine pox virus	002-PDV	0.6 mL	Varies	Yes	\$70.00	Challenge virus - lab strain
Swine pox virus antiserum	302-PDV	2.0 mL	Varies	Yes	\$242.00	Porcine source
Swine pox virus fluorescent antibody conjugate	602-PDV	1.0 mL	Varies	Yes	\$167.00	Porcine source
Theileria equi positive control serum (high titer)	75-H	1.0 mL	40	Yes	\$334.00	High titer positive control serum used in serologic tests to detect antibodies to theileria equi

Print Date: 6/23/2025

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Page 46 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Theileria equi positive control serum (low titer)</b>	75-L	1.0 mL	40	Yes	\$334.00	Low titer positive control serum used in serologic tests to detect antibodies to theileria equi
<b>Transmissible gastroenteritis (TGE) virus</b>	020-PDV	0.6 mL	1	Yes	\$70.00	Purdue strain, challenge virus for the TGE virus neutralization test
<b>Transmissible gastroenteritis (TGE) virus antiserum</b>	320-PDV	2.0 mL	Varies	Yes	\$242.00	Porcine source
<b>Transmissible gastroenteritis (TGE) virus fluorescent antibody conjugate</b>	620-PDV	1.0 mL	Varies	Yes	\$167.00	Porcine source
<b>Transmissible gastroenteritis (TGE) virus neutralization (VN) positive control serum</b>	325-PDV	2.0 mL	12	Yes	\$57.00	Positive control serum for Transmissible gastroenteritis (TGE) virus neutralization (VN) test (diluted)
<b>Trichomoniasis foetus PCR (real time) Proficiency Test</b>	TRI-CHK	700 uL	20	Yes	\$774.00	Trichomoniasis foetus PCR (real time) Proficiency Test. Panel consists of 20 samples
<b>Vesicular stomatitis (VS) complement fixation (CF) antigen Indiana</b>	069-VDV	1.0 mL	6	Yes	\$70.00	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	\$70.00	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	\$774.00	VS CF check test
<b>Vesicular stomatitis (VS) complement fixation (CF) Indiana positive control serum (equine)</b>	369-VDV	2.0 mL	12	Yes	\$57.00	Positive control serum for vesicular stomatitis (VS) Indiana complement fixation (CF) test (diluted)
<b>Vesicular stomatitis (VS) complement fixation (CF) negative control serum</b>	490-BDV	2.0 mL	12	Yes	\$86.00	Negative control serum for VS CF tests, equine origin

Print Date: 6/23/2025

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**Please note: The NVSL distributes reagents for veterinary use only**

Page 47 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 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	\$57.00	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	\$70.00	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	\$108.00	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	\$774.00	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	\$774.00	Virus neutralization (VN) check test
<b>Vesicular stomatitis (VS) virus neutralization (VN) Indiana positive control serum</b>	470-VDV	2.0 mL	12	Yes	\$57.00	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	\$86.00	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	\$57.00	Positive 073-control serum for vesicular stomatitis (VS) New Jersey virus neutralization (VN) test (diluted)

Print Date: 6/23/2025

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Page 48 of 49

Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.

Reagent Name	Reagent Code	Amount / Vial	Tests/ Vial	Billable	10 Jan 25 User Fee	Reagent Description
<b>Vesicular stomatitis (VS) virus, Indiana (IN)</b>	070-VDV	0.6 mL	1	Yes	\$70.00	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	\$70.00	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	\$429.00	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	\$214.50	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	\$108.00	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	\$43.00	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	\$86.00	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	\$36.00	Use as a positive control for performing a PCR test for West Nile virus

Print Date: 6/23/2025

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Page 49 of 49

**Items requested from the National Veterinary Services Laboratories catalog may not be available or may be limited in quantity at any time due to domestic testing or manufacturing priorities.**