

VS-regulated livestock and poultry pathogens (partial list, Revised 10/31/2019)

Absidia corymbifera
Acremonium strictum
Acinetobacter spp. **
Actinobacillus pleuropneumoniae
Actinomyces bovis
Aedes mosquito
Aedes mosquito eggs
Aeromonas hydrophila
Aeromonas spp. **
African horse sickness (only the excluded select agent*)
African swine fever (only the excluded select agent*)
Akabane virus
Alcaligenes faecalis
Amblyomma spp. - tick
Amidostomum anseri
Amycolaptosis spp. **
Anaplasma centrale
Anaplasma marginale
Anaplasma phagocytophilum
Anopheles mosquito eggs
Anopheles mosquitos
Argas spp. - tick
Arthrobacter equi
Arthrobacter spp. **
Ascaridia dissimilis
Ascaridia galli
Ascaris suum
Aspergillus spp. **
Avian adenovirus
Avian encephalomyelitis virus
Avian hepatitis E virus
Avian herpesvirus
Avian infectious bronchitis virus
Avian influenza H7N9 attenuated vaccine
Avian influenza H7N9 wild type
Avian influenza virus (high pathogenic) (only the excluded select agent*)
Avian Influenza virus (low pathogenic)
Avian leukosis virus (retrovirus)
Avian metapneumoviruses
Avian mycoplasma spp. **
Avian myelocytomatosis
Avian nephritis virus 1,2 (astrovirus)
Avian paramyxovirus serotypes 2-9
Avian pneumovirus type C (Colorado strain)
Avian polyoma virus
Avian pox virus
Avian reticuloendothelial virus (REV)

Avian rotavirus
Avian viral arthritis virus (Tenosynovitis; Avian reovirus; Orthoreovirus)
Avibacterium paragallinarum
Babesia bigemina
Babesia bovis
Babesia caballi
Babesia divergens
Babesia major
Babesia motasi
Babesia ovis
Babesia perroncitoi
Babesia trautmanni
Bacillus anthracis (only the excluded select agent*)
Bacillus anthracis, Pasteur strain (only the excluded select agent*)
Bacillus atrophaeus
Bacillus cereus, Biovar Anthracis (only the excluded select agent*)
Bacteroides fragilis
Besnoitia besnoiti
Bibersteinia trehalosi (formerly Pasteurella trehalosi)
Blastomyces dermatitidis
Bluetongue virus (domestic)
Bluetongue virus (exotic)
Boophilus spp. - tick
Border disease virus
Bordetella avium
Bordetella bronchiseptica
Bordetella parapertussis
Borna disease virus
Borrelia burgdorferi
Bovine adenovirus
Bovine coronavirus
Bovine cytomegalovirus (Bovine herpesvirus 3)
Bovine enteric calicivirus
Bovine enterovirus (enteric cytopathic bovine orphan virus)
Bovine ephemeral fever virus
Bovine herpes mammillitis virus (Pseudo-lumpy skin disease; Bovine herpesvirus 2)
Bovine immunodeficiency virus
Bovine infectious rhinotracheitis virus (Bovine herpesvirus 1)
Bovine leukemia virus
Bovine nebovirus
Bovine norovirus
Bovine papillomavirus
Bovine papular stomatitis virus
Bovine parainfluenzae 3 virus
Bovine parvovirus (Haemadsorbing enteric virus)
Bovine reovirus
Bovine respiratory syncytial virus
Bovine rhinitis B virus (Bovine rhinovirus; Picornavirus)
Bovine rotavirus group A, B

Bovine spongiform encephalopathy
Bovine viral diarrhea virus (types 1 and 2) (BVD)
Bovine viral diarrhea virus, HoBi-like strain
Brachyspira hyodysenteriae
Brucella abortus (only the excluded select agent*)
Brucella abortus strain 19
Brucella abortus strain RB51
Brucella melitensis (only the excluded select agent*)
Brucella microti
Brucella neotomae
Brucella ovis
Brucella suis (only the excluded select agent*)
Bunostomum phlebotomum
Bunostomum trigonocephalum
Burkholderia cepacia
Burkholderia mallei (only the excluded select agent*)
Burkholderia pseudomallei (only the excluded select agent*)
Cache Valley virus
Calliphora vicina - blowfly
Camelpox virus
Campylobacter coli
Campylobacter fetus
Campylobacter jejuni
Campylobacter spp. **
Candida albicans
Capillaria caudinflata
Capillaria contorta
Capillaria obsignata
Caprine adenovirus type 1, 2
Caprine arthritis and encephalitis virus
Caprine herpesvirus
Cellulomonas spp. **
Chaburtia ovina
Cheilosporira hamulosa
Chicken anemia virus (circovirus)
chicken hepatitis E virus
Chlamydophila abortus
Chlamydophila pecorum
Chlamydophila psittaci
Choanotaenia infundibulum
Chronic wasting disease (CWD)
Citrobacter freundii
Classical swine fever virus (only the excluded select agent*)
Clostridium botulinum (only the excluded select agent*)
Clostridium chauvoei
Clostridium difficile
Clostridium haemolyticum
Clostridium novyi
Clostridium perfringens

Clostridium septicum
Clostridium sordelli
Clostridium sporogenes
Clostridium tetani
Coccidioides immitis
Coccidioides posadasii
Cochliomyia hominivorax (screwworm)
Coenurus cerebralis
Collyriclum faba - fluke
Contagious ecthyma (orf; contagious pustular dermatitis)
Cooperia curticei
Cooperia oncophora
Cooperia pectinata
Cooperia punctata
Cooperia surnabada
Corynebacterium bovis
Corynebacterium pseudotuberculosis
Corynebacterium renale
Cowpox virus
Coxiella burnetii (only the excluded select agent*)
Crimean-Congo hemorrhagic fever virus (only the excluded select agent*)
Crossiella equi
Cryptococcus neoformans
Cryptosporidium parvum
Culex spp. - mosquito
Culicoides spp. - mosquito
Cyathostoma bronchialis
Cyrnea colini
Cysticercus cellulosae
Davainea proglottina
Dermacenter spp. - tick
Dermatobia hominis - fly
Dichelobacter nodosus (Bacterioides nodosus)
Dicrocoelium dendriticum - fluke
Dictyocaulus arnfieldi
Dictyocaulus filaria
Dictyocaulus viviparus
Dispharynx nasuta
Duck adenovirus
Duck enteritis virus
Duck hepatitis type 1
Duck infectious anemia virus
Duck plague virus
Dung beetles
Eastern equine encephalitis virus (only the excluded select agent*)
Echinococcus spp. **
Ehrlichia (Neorickettsia) risticii
Ehrlichia fergusonii
Ehrlichia ruminantium (Cowdria ruminatum)(heartwater)

Eimeria spp. **
Elaeophora schneideri
Encephalomyocarditis virus
Enterobacter aerogenes
Enterobacter cloacae
Enterococcus cecorum
Enterococcus durans
Enterococcus hirae
Enterococcus spp. **
Ephemeral fever virus
Epizootic haemorrhagic disease virus (EHDV)
Equine adenovirus
Equine coital exanthema virus (Equine herpesvirus 3)
Equine coronavirus
Equine herpesvirus 2
Equine herpesvirus 3 (Equine coital exanthema)
Equine infectious anemia virus (EIAV)
Equine influenza virus
Equine papilloma virus
Equine rhinitis virus (picornavirus)
Equine rhinopneumonitis virus (EHV-1 and EHV-4)
Equine rotavirus
Equine viral arteritis virus
Erysipelothrix rhusiopathiae
Escherichia coli, enteropathogenic to livestock or poultry: F 18, K88, VTEC O5:H-, VTEC O8:H9, VTEC O26:H11, VTEC O26, VTEC O80:H- and VTEC O111:H-, non-O157 EHEC serogroups O26, O111, O118 and O103
Eurytrema coelomaticum - fluke
Eurytrema ovis - fluke
Eurytrema pancreaticum - fluke
Fasciola gigantica - fluke
Fasciola hepatica - fluke
Fasciola magna - fluke
Foot and mouth disease virus (only the excluded select agent*)
Fowl adenovirus type 1
Fowl calicivirus
Fowlpox virus
Francisella tularensis (only the excluded select agent*)
Francisella tularensis subspecies holartica LVS
Fusarium spp. **
Fusobacterium necrophorum
Gaigeria pachyscelis
Gallibacterium anatis
Gasterophilus spp. - horse bot
Getah virus
Giardia spp. **
Globicatella sanguinis
Goat pox virus (only the excluded select agent*)
Gongylonema ingluvicola
Goose parvovirus
Guggenheimella bovis

Haemaphysalis spp. - tick
Haemonchus contortus
Haemonchus placei
Haemonchus similis
Haemophilus agni
Haemophilus paragallinarum
Haemophilus parahemolyticus
Haemophilus parasuis
Haemophilus somnis
Haemophilus suis
Haemotobia irritans – fly
Haemaphysalis longicornis --tick
Halicephalobus deletrix
Helicobacter pullorum
Helicobacter suis
Hemagglutinating encephalomyelitis virus
Hemorrhagic enteritis virus
Hendra virus (only the excluded select agent*)
Herpesvirus of turkey (HVT) virus
Heterakis gallinarum
Heterakis isolonche
Highlands J Virus
Histophilus somni
Histoplasma capsulatum var. farciminosum
Hyaloma spp. - tick
Hyostrongylus rubidus
Hypoderma bovis
Infectious bovine rhinotracheitis (Bovine herpesvirus 1)
Infectious bronchitis virus
Infectious bursal disease virus
Infectious laryngotracheitis (Avian Herpesvirus 1)
Infectious pancreatic necrosis virus
Infectious salmon anemia virus
Influenza C
Isospora spp. **
Isospora suis
Ixoides spp. - tick
Jamestown canyon virus (aka Jerry Slough virus)
Japanese encephalitis virus
Klebsiella oxytoca
Klebsiella pneumoniae
Kobuvirus
Kunjin virus
Lawsonia spp. **
Leishmania braziliensis
Leishmania infantum
Leishmania siamensis
Leishmania spp. **
Lentzea kentuckyensis

Leptospira interrogans (various serovars- hardjo, pomona, icterohaemorrhagiae, grippityphosa, canicola)
Listeria inovanii
Listeria monocytogenes
Louping ill virus
Lumpy skin disease virus (Neethling virus) (only the excluded select agent*)
Lutzomyia longipalpis - sandfly
Maedi-visna virus (Ovine progressive pneumonia)
Main Drain virus
Madariaga virus
Malignant catarrhal fever (Alcelaphine herpesvirus 1) (wildebeest-associated) (exotic)
Malignant catarrhal fever (Ovine herpesvirus 2) (sheep associated) (domestic)
Mannheimia glucosida
Mannheimia granulomatis
Mannheimia haemolytica
Mannheimia ruminalis
Mannheimia varigena
Marek's disease virus
Margaropus spp. - tick
Mecistocirrus digitatus
Menangle virus
Metroliaesthes lucida
Micrococcus luteus
Microsporum canis
Microsporum gypseum
Microsporum nanum
Middleburg virus
Monkeypox virus (only the excluded select agent*)
Moraxella bovis
Moraxella bovoculi
Moraxella ovis
Morbilivirus spp. **
Mouse pox
Murray Valley encephalitis virus
Musca spp. - fly
Mycobacterium africanum
Mycobacterium avium
Mycobacterium bovis
Mycobacterium bovis BCG
Mycobacterium capricolum (only the excluded select agent*)
Mycobacterium caprae
Mycobacterium F38
Mycobacterium fortuitum
Mycobacterium kansasii
Mycobacterium microti
Mycobacterium paratuberculosis
Mycobacterium pinnipedii
Mycobacterium tuberculosis complex organisms (excluding M tuberculosis)
Mycoplasma agalactiae
Mycoplasma bovis
Mycoplasma dispar

Mycoplasma gallisepticum
Mycoplasma hyopneumoniae
Mycoplasma hyorhinis
Mycoplasma hyosynoviae
Mycoplasma iowae
Mycoplasma meleagridis
Mycoplasma mycoides (contagious bovine pleuropneumonia)(only the excluded select agent*)
Mycoplasma synoviae
Myxoma virus
Nairobi sheep disease
Nematodirus abnormalis
Nematodirus battus
Nematodirus filicollis
Nematodirus helvetianus
Nematodirus spathiger
Neospora caninum - coccidian parasite
Neospora hughsi - coccidian parasite
Newcastle disease virus (avirulent) (Avian paramyxovirus type 1)
Newcastle disease virus (virulent) (Avian paramyxovirus type 1)
Nipah virus (only the excluded select agent*)
Nocardia spp. **
Nosoma - tick
Oesophagostomum clumbianum
Ornithobacterium rhinotracheale
Ornithostrongylus quadriradiatus
Ostertagia bisonis
Ostertagia leptospicularis
Ostertagia lyrata (Skrjabinagia lyrata, Grosspiculagia lyrata)
Ostertagia orloffii
Ostertagia ostertagi
Ostertagia podjapolskyi (Grosspiculagia podjapolskyi)
Ostertagia trifurcata
Otobius spp. - tick
Ovine adenovirus
Ovine astrovirus
Ovine ecthyma virus
Ovine herpesvirus 1
Ovine parainfluenza 3
Ovine pulmonary adenocarcinoma virus (Pulmonary adenomatosis; Jaagsiekte sheep retrovirus)
Oxyspirura mansoni
Paracoccus denitrificans
Parainfluenza 5 (aka Simian parainfluenza 5)
Parascaris equorum
Parelaphostrongylus tenius
Pasteurella multocida (Fowl cholera)
Pasteurella trehalosi
Peptostreptococcus spp. **
Peste des petits ruminants (only the excluded select agent*)
Phlebotomus spp. - sandfly

Pigeon paramyxovirus
Pigeon pox virus
Plasmodium gallinaceum
Plasmodium hermanni
Pleisiomonas spp. **
Porcine acute gastroenteritis (Porcine astrovirus)
Porcine adenovirus
Porcine circovirus
Porcine cytomegalovirus (Porcine herpesvirus 2)
Porcine delta coronavirus
Porcine enteric calicivirus
Porcine enterovirus (Teschen; Talfan; Benign enzootic paresis; Poliomyelitis suum; Porcine enteroviral encephalomyelitis)
Porcine epidemic diarrhea virus (PEDv) asian lineage
Porcine epidemic diarrhea virus (PEDv) non-asian lineage
Porcine hemagglutinating encephalitis virus
Porcine hepatitis E
Porcine herpesvirus
Porcine kobuvirus
Porcine paramyxovirus (Menangle)
Porcine parvovirus
Porcine reproductive and respiratory syndrome virus (PRRS)
Porcine respiratory coronavirus
Porcine rotavirus group A
Porcine rotavirus group B
Porcine rotavirus group C
Porcine rotavirus group E
Porcine rubulavirus ("blue eye")
Porcine sapelovirus
Porcine sapovirus
Porcine teschovirus
Porcine torovirus
Porcine transmissible gastroenteritis virus
Porphyromonas spp. **
Powassan virus
Prevotella melaninogenica
Propionibacterium spp. **
Prosthogonimus macrorchis - fluke
Proteus mirabilis
Proteus vulgaris
Prototheca wickerhamii
Prototheca zopfii
Providencia rettgeri
Providencia stuarti
Pseudocowpox virus
Pseudomonas spp. **
Pseudomonas aeruginosa
Pseudorabies virus (Porcine herpesvirus; Aujeszky's disease)
Psoroptes spp. - mite
Pythium insidiosum

Quail bronchitis virus (Avian adenovirus group 1) 002-ADV

Rabbit pox

Rabies virus

Raccoonpox virus

Raillietina cesticillus

Raillietina echinobothrida

Raillietina tetragona

Rhipicentor spp. - tick

Rhipicephalus spp. - tick

Rhizomucor miehei

Rhodococcus equi

Rickettsia gravesii

Rickettsia risticii

Riemerella anatipestifer

Rift valley fever virus (only the excluded select agent*)

Rinderpest virus (only the excluded select agent*)

Rodent adapted scrapie

Ross River virus

Rous associated virus

Salmonella abortusovis

Salmonella anatum

Salmonella arizonae

Salmonella choleraesuis

Salmonella dublin

Salmonella enterica

Salmonella enteritidis

Salmonella gallinarum

Salmonella hadar

Salmonella heidelberg

Salmonella kentucky

Salmonella montevideo

Salmonella newport

Salmonella pullorum

Salmonella saintpaul

Salmonella typhimurium

San Miguel sea lion virus (SMSV)

Sand fly

Sarcocystis neurona

Sarcocystis spp.**

Schistosoma bovis - fluke

Schistosoma curassoni - fluke

Schistosoma incognitum - fluke

Schistosoma indicum - fluke

Schistosoma japonicum - fluke

Schistosoma mattheei - fluke

Schistosoma nasale - fluke

Schistosoma spindale - fluke

Schmallenberg virus

Scrapie

Seneca Valley virus
Serratia spp. **
Sheep pox (only the excluded select agent*)
Simulium spp. - blackfly
Sindbis virus
Spring viremia of carp virus
St Louis encephalitis virus
Staphylococcus arlettae
Staphylococcus aureus
Staphylococcus capitis
Staphylococcus chromogenes
Staphylococcus epidermidis
Staphylococcus equorum
Staphylococcus haemolyticus
Staphylococcus hyicus
Staphylococcus intermedius
Staphylococcus lugdunensis
Staphylococcus nepalensis
Staphylococcus sciuri
Staphylococcus spp
Staphylococcus warneri
Stomoxys calcitrans - stable fly
Streptococcus agalactiae
Streptococcus dysgalactiae
Streptococcus equi
Streptococcus pneumoniae
Streptococcus pyogenes
Streptococcus suis
Strongyloides avium
Strongyloides edentatus
Strongyloides equinus
Strongyloides papillosus
Strongyloides ransomi
Strongyloides vulgaris
Subulura brumpti
Swine adenovirus
Swine astrovirus
Swine enteric coronavirus (SECoV)
Swine hepatitis E virus, genotype 3
Swine hepatitis E virus, genotype 4
Swine influenza virus
Swine papillomavirus
Swine poxvirus
Swine vesicular disease virus (only the excluded select agent*)
Syngamus trachea
Tabanus spp. - horse fly
Taenia saginata
Taenia solium
Taylorella asinigenetalis

Taylorella equigenitalis (Contagious equine metritis)
Teladorsagia circumcincta
Tetrameres americana
Theileria annulata
Theileria buffeli
Theileria equi (formerly Babesia equi)
Theileria lestoquardi
Theileria lowenshuni
Theileria mutans
Theileria orientalis
Theileria parva
Theileria sergenti
Theileria uilenbergi
Toxoplasma gondii
Transmissible gastroenteritis virus (TGE)
Treponema denticola
Treponema phagedenis
Treponema vincentii
Trichinella britovi
Trichinella murrelli
Trichinella nativa
Trichinella papuae
Trichinella pseudospiralis
Trichinella spiralis
Trichomonas foetus
Trichomonas gallinae
Trichomonas stableri
Trichophyton equinum
Trichophyton mentagrophytes
Trichostongylus colubiformis
Trichostrongylus axei
Trichostrongylus rugatus
Trichostrongylus tenuis
Trichostrongylus vitrinus
Trichuris ovis
Trichuris suis
Tridontophorus tenuicollis
Tritrichomonas foetus
Truperella pyogenes
Trychophyton verrucosum
Trypanosoma brucei brucei
Trypanosoma brucei gambiense
Trypanosoma brucei rhodesiense
Trypanosoma congolense
Trypanosoma cruzi
Trypanosoma equiperdum (Dourine)
Trypanosoma evansi (Surra)
Trypanosoma simiae
Trypanosoma vivax

Tsetse fly (*Glossina*)
Turkey astrovirus (Poultry enteritis and mortality syndrome)
Turkey enteritis coronavirus (Bluecomb disease)
Ureaplasma diversum
Vaccinia virus Ankara (MVA)
Venezuelan equine encephalitis virus (only the excluded select agent*)
Vesicular exanthema of swine virus (VESV)
Vesicular stomatitis virus (Indiana or NJ strain)
Vesicular stomatitis virus (strains exotic to US)
Volepox virus
Wesselsbron virus
West Nile virus
Western equine encephalitis virus
Yaba monkey tumor virus
Yersinia enterocolytica
Yersinia pseudotuberculosis
Yersinia vaccine strain

* Select agents are regulated by the Federal Select Agent Program: <http://www.selectagents.gov/>

** There may be both pathogenic and nonpathogenic species to livestock/poultry within this genus