



The list of pathogens of major animal biosecurity concern was created based on the Annex 3 lists contained within departmental policies for veterinary vaccines⁴. This list should be used in place of the Annex 3 list in departmental policies and may be used for other commodities as deemed appropriate by the Department of Agriculture, Fisheries and Forestry.

PATHOGENS OF MAJOR ANIMAL BIOSECURITY CONCERN		
Animal species	Pathogen (disease agent)	Disease
Avian — chickens and turkeys	Aviadenoviruses (all viruses in the genus)	Various diseases including hydropericardium syndrome (chickens), inclusion body hepatitis, pulmonary congestion and oedema and bronchitis
	<i>Avian coronavirus</i> (Infectious bronchitis virus)	Infectious bronchitis, renal disease
	<i>Avian metapneumovirus</i> (Turkey rhinotracheitis virus)	Turkey rhinotracheitis and sinusitis, swollen head syndrome, poor reproductive performance (females)
	<i>Infectious bursal disease virus</i>	Infectious bursal disease (Gumboro disease)
	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Enteritidis (<i>Salmonella</i> Enteritidis)	<i>Salmonella</i> Enteritidis, Salmonellosis
	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar <i>Gallinarum</i>	Fowl typhoid
Avian — ducks and geese and swans	<i>Anatid herpesvirus 1</i> (Duck enteritis virus, Duck plague virus)	Duck viral enteritis/duck plague
	Aviadenoviruses (all viruses in the genus)	Various diseases including inclusion body hepatitis, pulmonary congestion and oedema and bronchitis
	<i>Avian coronavirus</i> (Infectious bronchitis virus)	Infectious bronchitis, renal disease
	<i>Avian metapneumovirus</i> (Turkey rhinotracheitis virus)	Rhinotracheitis, swollen head syndrome, poor reproductive performance (females)
	<i>Avihepatovirus A</i> (Duck hepatitis A virus)	Duck viral hepatitis

	Avastrovirus 3 (Duck astroviruses)	
	<i>Infectious bursal disease virus</i>	Infectious bursal disease (Gumboro disease)
	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Enteritidis (<i>Salmonella</i> Enteritidis)	<i>Salmonella</i> Enteritidis, Salmonellosis
	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Gallinarum biovar Gallinarum	Fowl typhoid
	<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Pullorum	Pullorum disease
Bovine	<i>Alagoas vesiculovirus, Cocal vesiculovirus, Indiana vesiculovirus & New Jersey vesiculovirus</i> (Vesicular stomatitis viruses)	Vesicular stomatitis
	<i>Bluetongue virus</i>	Bluetongue
	<i>Bovine alphaherpesvirus 1</i> (Infectious bovine rhinotracheitis virus)	Infectious bovine rhinotracheitis, infectious pustular vulvovaginitis, infectious balanoposthitis, abortion, conjunctivitis, enteritis
	<i>Bovine gammaherpesvirus 4</i>	Involved in respiratory disease, ocular disease reproductive disease
	Bovine respiratory syncytial virus (<i>Bovine orthopneumovirus</i>)	Bovine respiratory disease complex
	<i>Brucella abortus</i>	Brucellosis
	<i>Epizootic haemorrhagic disease virus</i> (EHDV) (7 serotypes)	Epizootic haemorrhagic disease (EHD)
	<i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> small colony (SC) type	Contagious bovine pleuropneumonia

	<i>Pestivirus A</i> (bovine viral diarrhoea virus (BVDV-1), <i>Pestivirus B</i> (BVDV-2) & <i>Pestivirus H</i> (atypical ruminant pestivirus)	Bovine viral diarrhoea/mucosal disease, contributes to bovine respiratory disease complex, severe respiratory disease (H)
	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies
	<i>Rift Valley fever phlebovirus</i>	Rift Valley fever
Canine	<i>Bluetongue virus</i>	Bluetongue
	<i>Brucella canis</i>	Brucellosis
	<i>Ehrlichia canis</i>	Canine monocytic ehrlichiosis (Ehrlichiosis)
	<i>Leptospira interrogans</i> var. <i>Canicola</i>	Leptospirosis
	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies
	<i>Suid alphaherpesvirus 1</i> (Pseudorabies virus, Aujeszky's disease virus)	Aujeszky's disease (pseudorabies)
Caprine	<i>Alagoas vesiculovirus, Cocal vesiculovirus, Indiana vesiculovirus & New Jersey vesiculovirus</i> (Vesicular stomatitis viruses)	Vesicular stomatitis
	<i>Bluetongue virus</i>	Bluetongue
	<i>Brucella melitensis</i>	Brucellosis
	<i>Jaagsiekte sheep retrovirus</i> (ovine pulmonary adenocarcinoma virus)	Ovine pulmonary adenomatosis/ovine pulmonary adenocarcinoma/ Jaagsiekte disease
	<i>Mycoplasma agalactiae</i>	Contagious agalactia
	<i>Mycoplasma capricolum</i> subsp. <i>capripneumoniae</i>	Contagious caprine pleuropneumonia

	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies
	<i>Rift Valley fever phlebovirus</i>	Rift Valley fever
	<i>Visna-maedi virus</i> (Maedi-visna virus/ovine lentivirus)	Visna-maedi
Equine	<i>Alagoas vesiculovirus, Cocal vesiculovirus, Indiana vesiculovirus & New Jersey vesiculovirus</i> (Vesicular stomatitis viruses)	Vesicular stomatitis
	<i>Babesia caballi</i>	Equine piroplasmosis /babesiosis
	<i>Burkholderia mallei</i>	Glanders
	<i>Equid alphaherpesvirus 1</i> (equine abortion virus) & 4 (equine rhinopneumonitis virus)	Equine viral abortion (EHV-1), equine rhinopneumonitis (EHV-1 & EHV-4)
	Equine encephalitis viruses (Eastern equine encephalitis virus, Western equine encephalitis virus, Venezuelan equine encephalitis virus)	Eastern equine encephalitis (EEE), Western equine encephalitis (WEE), Venezuelan equine encephalitis (VEE)
	Equine Influenza A virus Any influenza A virus isolated in equines	Equine influenza
	<i>Histoplasma capsulatum</i> var. <i>farciminosum</i> (<i>Histoplasma farciminosum</i>)	Epizootic lymphangitis/equine histoplasmosis
	Horsepox virus (vaccinia-like virus)	Horse pox
	Japanese encephalitis virus	Japanese encephalitis (JE)

	<i>Neorickettsia risticii</i> (formerly <i>Ehrlichia risticii</i>)	Potomac horse fever/equine monocytic ehrlichiosis/equine ehrlichial colitis/equine neorickettsiosis
	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies
	<i>Taylorella equigenitalis</i>	Contagious equine metritis
	<i>Theileria equi</i>	Equine piroplasmosis /babesiosis
	<i>Trypanosoma evansi</i>	Surra/ equine trypanosomiasis
	West Nile virus	West Nile fever
Feline	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies
Ovine	<i>Alagoas vesiculovirus, Cocal vesiculovirus, Indiana vesiculovirus & New Jersey vesiculovirus</i> (Vesicular stomatitis viruses)	Vesicular stomatitis
	<i>Bluetongue virus</i>	Bluetongue
	<i>Brucella melitensis</i>	Brucellosis
	<i>Epizootic haemorrhagic disease virus</i> (EHDV)	Epizootic hemorrhagic disease (EHD) (clinical disease rarely seen in sheep)
	<i>Jaagsiekte sheep retrovirus</i> (ovine pulmonary adenocarcinoma virus)	Ovine pulmonary adenomatosis/ovine pulmonary adenocarcinoma/ Jaagsiekte disease
	Louping ill virus	Louping ill
	<i>Mycoplasma agalactiae</i>	Contagious agalactia
	<i>Mycoplasma capricolum</i> subsp. <i>capripneumoniae</i>	Contagious caprine pleuropneumonia

	<i>Pestivirus A</i> (bovine viral diarrhoea virus (BVDV-1), B (BVDV-2) & <i>Pestivirus H</i> (atypical ruminant pestivirus)	Bovine viral diarrhoea/mucosal disease (uncommon)
	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies
	<i>Rift Valley fever virus</i>	Rift Valley fever
	<i>Visna-maedi virus</i> (Maedi-visna virus/ovine lentivirus)	Visna Maedi
Porcine	<i>Alagoas vesiculovirus, Cocal vesiculovirus, Indiana vesiculovirus & New Jersey vesiculovirus</i> (Vesicular stomatitis viruses)	Vesicular stomatitis
	<i>Alphacoronavirus 1</i> (Transmissible gastroenteritis virus, Porcine respiratory coronavirus)	Transmissible gastroenteritis Subclinical or mild respiratory disease
	<i>Betaarterivirus suid 1 & 2</i> (Porcine reproductive and respiratory syndrome virus types 1 & 2)	Porcine reproductive and respiratory syndrome
	<i>Pestivirus A</i> (bovine viral diarrhoea virus (BVDV) 1, B (BVDV-2) & K (atypical porcine pestivirus)	Clinical signs and pathological lesions indistinguishable from those observed in classical swine fever
	<i>Porcine circovirus 2</i>	Porcine circovirus associated diseases (PCVADs) including post-weaning multi-systemic wasting syndrome, porcine dermatitis and nephropathy syndrome (PDNS) and porcine respiratory complex
	Porcine epidemic diarrhoea virus	Porcine epidemic diarrhoea
	<i>Teschovirus A</i>	Teschen disease/teschovirus encephalomyelitis
	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies

	<i>Suid alphaherpesvirus 1</i> (Pseudorabies virus, Aujeszky's disease virus)	Pseudorabies (Aujeszky's disease)
	<i>Swine influenza A virus</i> Any influenza A viruses isolated in swine	Swine influenza
Rabbit	<i>Francisella tularensis</i>	Tularaemia/rabbit fever
	<i>Rabbit fibroma virus</i> (Shope fibroma virus)	Shope fibromas
	<i>Rabbit haemorrhagic disease virus</i> (rabbit calicivirus)	Rabbit haemorrhagic disease
	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies
	<i>Treponema paraluisicuniculi</i>	Treponematosis
Rodents – all	<i>Hantavirus</i> genus species, including Hantaan virus (Korean haemorrhagic fever virus)	Haemorrhagic fever with renal syndrome/Korean haemorrhagic fever
	<i>Lymphocytic choriomeningitis mammarenavirus</i> (Lymphocytic choriomeningitis virus)	Lymphocytic choriomeningitis
	Murine mastadenovirus spp (Murine adenovirus)	Subclinical infection
	<i>Rabies lyssavirus</i> (Rabies virus)	Rabies

¹ Finalised specific quarantine requirements for the importation of inactivated veterinary vaccines 1997 Policy and Requirements for the Importation of Live and Novel Veterinary Bulk and Finished Vaccines 1999 The Second Edition - Review of published tests to detect pathogens in veterinary vaccines intended for importation into Australia 2013

² Declaration of global freedom from Rinderpest was made by the Food and Agriculture Organisation of the United Nations in June 2011.

³ Finalised specific quarantine requirements for the importation of inactivated veterinary vaccines 1997 Policy and Requirements for the Importation of Live and Novel Veterinary Bulk and Finished Vaccines 1999 The Second Edition - Review of published tests to detect pathogens in veterinary vaccines intended for importation into Australia 2013

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