

Appendix D Regulated Select Agents

HHS SELECT AGENTS AND TOXINS

- _ Botulinum neurotoxin producing species of *Clostridium*
- _ Cercopithecine herpesvirus 1 (Herpes B virus)
- _ *Coccidioides posadasii* / *Coccidioides immitis*
- _ *Coxiella burnetii*
- _ Crimean-Congo haemorrhagic fever virus
- _ Eastern equine encephalitis virus
- _ Ebola viruses
- _ *Francisella tularensis*
- _ Lassa fever virus
- _ Marburg virus
- _ Monkeypox virus
- _ Reconstructed replication competent forms of the 1918 pandemic influenza virus containing any portion of the coding regions of all eight gene segments (Reconstructed 1918 Influenza virus)
- _ *Rickettsia prowazekii*
- _ *Rickettsia rickettsii*

South American haemorrhagic fever viruses

- _ Flexal
- _ Guanarito
- _ Junin
- _ Machupo
- _ Sabia

Tick-borne encephalitis complex (flavi) viruses

- _ Central European tick-borne encephalitis
- _ Far Eastern tick-borne encephalitis
- _ Kyasanur forest disease
- _ Omsk hemorrhagic fever
- _ Russian spring and summer encephalitis

- _ Variola major virus (Smallpox virus)
- _ Variola minor virus (Alastrim)
- _ *Yersinia pestis*

- _ Abrin
- _ Botulinum neurotoxins
- _ *Clostridium perfringens* epsilon toxin
- _ Conotoxins
- _ Diacetoxyscirpenol
- _ Ricin
- _ Saxitoxin
- _ Shiga-like ribosome inactivating proteins
- _ Shigatoxin
- _ Staphylococcal enterotoxins
- _ T-2 toxin
- _ Tetrodotoxin

OVERLAP SELECT AGENTS AND TOXINS

- _ *Bacillus anthracis*
- _ *Brucella abortus*
- _ *Brucella melitensis*
- _ *Brucella suis*
- _ *Burkholderia mallei* (formerly *Pseudomonas mallei*)
- _ *Burkholderia pseudomallei* (formerly *Pseudomonas pseudomallei*)
- _ Hendra virus
- _ Nipah Virus
- _ Rift Valley fever virus

- _ Venezuelan equine encephalitis virus

USDA SELECT AGENTS AND TOXINS

- _ African horse sickness virus
- _ African swine fever virus
- _ Akabane virus
- _ Avian influenza virus (highly pathogenic)
- _ Blue tongue virus (Exotic)
- _ Bovine spongiform encephalopathy agent
- _ Camel pox virus
- _ Classical swine fever virus
- _ *Ehrlichia ruminantium* (Heartwater)
- _ Foot and mouth disease virus
- _ Goat pox virus
- _ Japanese encephalitis virus
- _ Lumpy skin disease virus
- _ Malignant catarrhal fever virus (Alcelaphine herpesvirus type 1)
- _ Menangle virus
- _ *Mycoplasma capricolum* subspecies *capripneumoniae* (contagious caprine pleuropneumonia)
- _ *Mycoplasma mycoides* subspecies *mycoides* small colony (MmmSC) (contagious bovine pleuropneumonia)
- _ Peste des petits ruminants virus
- _ Rinderpest virus
- _ Sheep pox virus
- _ Swine vesicular disease virus
- _ Vesicular stomatitis virus (Exotic): Indiana subtypes VSV-IN2, VSV-IN3
- _ Virulent Newcastle disease virus¹

USDA PLANT PROTECTION AND QUARANTINE (PPQ) SELECT AGENTS AND TOXINS

- _ *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*)
- _ *Phoma glycinicola* (formerly *Pyrenochaeta glycines*)
- _ *Ralstonia solanacearum* race 3, biovar 2
- _ *Rathayibacter toxicus*
- _ *Schlerophthora rayssiae* var *zeae*
- _ *Synchytrium endobioticum*
- _ *Xanthomonas oryzae*
- _ *Xylella fastidiosa* (citrus variegated chlorosis strain)

¹A virulent Newcastle disease virus (avian paramyxovirus serotype 1) has an intracerebral pathogenicity index in day-old chicks (*Gallus gallus*) of 0.7 or greater or has an amino acid sequence at the fusion (F) protein cleavage site that is consistent with virulent strains of Newcastle disease virus. A failure to detect a cleavage site that is consistent with virulent strains does not confirm the absence of a virulent virus.

Toxin Amounts Permissible Per Principal Investigator

Toxins	Amount
Abrin	100 mg
Botulinum neurotoxins	0.5 mg
<i>Clostridium perfringens</i> epsilon toxin	100 mg
Conotoxin	100 mg
Diacetoxyscirpenol (DAS)	1000 mg

Ricin	100 mg
Saxitoxin	100 mg
Shiga-like ribosome inactivating proteins	100 mg
Shigatoxin	100 mg
Staphylococcal enterotoxins	5.0 mg
T-2 toxin	1,000 mg
Tetrodotoxin	100 mg

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