

## Appendix D Regulated Select Agents

### HHS SELECT AGENTS AND TOXINS

- \_ Botulinum neurotoxin producing species of *Clostridium*
- \_ *Coxiella burnetii*
- \_ Crimean-Congo haemorrhagic fever virus
- \_ Eastern equine encephalitis virus
- \_ *Ebolavirus*
- \_ *Francisella tularensis*
- \_ Lassa fever virus
- \_ Lujo 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*
- \_ Severe acute respiratory syndrome coronavirus (SARS-CoV)

### South American haemorrhagic fever viruses

- \_ Chapare
- \_ Guanarito
- \_ Junin
- \_ Machupo
- \_ Sabia

### Tick-borne encephalitis complex (flavi) viruses

- \_ Far Eastern subtype
- \_ Kyasanur Forest disease virus
- \_ Omsk hemorrhagic fever virus

\_ Siberian subtype

\_ Variola major virus (Smallpox virus)

\_ Variola minor virus (Alastrim)

\_ *Yersinia pestis*

\_ Abrin

\_ Botulinum neurotoxins

\_ Conotoxins

\_ Diacetoxyscirpenol

\_ Ricin

\_ Saxitoxin

\_ Staphylococcal enterotoxins A, B, C, D, E subtypes

\_ T-2 toxin

\_ Tetrodotoxin

## **OVERLAP SELECT AGENTS AND TOXINS**

\_ *Bacillus anthracis*

\_ *Bacillus anthracis* Pasteur strain

\_ *Burkholderia mallei* (formerly *Pseudomonas mallei*)

\_ *Burkholderia pseudomallei* (formerly *Pseudomonas pseudomallei*)

\_ Hendra virus

\_ Nipah Virus (Tier 1 Select Agent)

\_ Rift Valley fever virus

\_ Venezuelan equine encephalitis virus

## **USDA SELECT AGENTS AND TOXINS**

\_ African swine fever virus

\_ Avian influenza virus (highly pathogenic) **\*\*as of June 2024 the USDA and APHIS have issued an exemption for H5 avian influenza viruses for a period of 3 years\*\***

\_ Classical swine fever virus

\_ Foot and mouth disease virus

\_ Goat pox virus

\_ Lumpy skin disease virus

\_ *Mycoplasma capricolum* subspecies *capripneumoniae* (contagious caprine pleuropneumonia)

\_ *Mycoplasma mycoides* subspecies *mycoides* small colony (MmmSC) (contagious bovine pleuropneumonia)

\_ Newcastle disease virus<sup>1</sup>

\_ Peste des petits ruminants virus

\_ Rinderpest virus

\_ Sheep pox virus

\_ Swine vesicular disease virus

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

\_ *Coniothyrium glycines*, (formerly *Phoma glycinicola* and *Pyrenochaeta glycines*)

\_ *Ralstonia solanacearum*

\_ *Rathayibacter toxicus*

\_ *Schlerophthora rayssiae*

\_ *Synchytrium endobioticum*

\_ *Xanthomonas oryzae*

<sup>1</sup>A 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**

<b>Toxins</b>	<b>Amount</b>
Abrin	100 mg
Botulinum neurotoxins	0.5 mg
Short, paralytic alpha Conotoxins	200 mg
Diacetoxyscirpenol (DAS)	1000 mg
Ricin	100 mg
Saxitoxin	100 mg
Staphylococcal enterotoxins Subtypes A,B,C,D,E	5.0 mg
T-2 toxin	1,000 mg
Tetrodotoxin	100 mg

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