

# HHS and USDA Select Agents and Toxins

## 7 CFR Part 331, 9 CFR Part 121, and 42 CFR Part 73

The following biological agents and toxins have been determined to have the potential to pose a severe threat to both human and animal health, to plant health, or to animal and plant products. An attenuated strain of a select agent or an inactive form of a select toxin may be excluded from the requirements of the regulations.

More information can be found at <https://www.selectagents.gov/sat/list.htm>

### HHS Select Agents and Toxins

- 1) Abrin
- 2) *Bacillus cereus* Biovar *anthracis*\*
- 3) Botulinum neurotoxins\*
- 4) Botulinum neurotoxin producing species of *Clostridium*\*
- 5) Conotoxins (Short, paralytic alpha conotoxins containing the following amino acid sequence X<sub>1</sub>CCX<sub>2</sub>PACGX<sub>3</sub>X<sub>4</sub>X<sub>5</sub>X<sub>6</sub>CX<sub>7</sub>)
- 6) *Coxiella burnetii*
- 7) Crimean-Congo haemorrhagic fever virus
- 8) Diacetoxyscirpenol
- 9) Eastern Equine Encephalitis virus
- 10) Ebola virus\*
- 11) *Francisella tularensis*\*
- 12) Lassa fever virus
- 13) Lujo virus
- 14) Marburg virus\*
- 15) Mpox virus
- 16) 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)
- 17) Ricin
- 18) *Rickettsia prowazekii*
- 19) SARS-associated coronavirus (SARS-CoV)
- 20) SARS-CoV/SARS-CoV-2 chimeric viruses resulting from any deliberate manipulation of SARS-CoV-2 to incorporate nucleic acids coding for SARS-CoV virulence factors
- 21) Saxitoxin

### **South American Haemorrhagic Fever viruses:**

- 22) Chapare
- 23) Guanarito
- 24) Junin
- 25) Machupo
- 26) Sabia





27) Staphylococcal enterotoxins  
(subtypes A,B,C,D,E)

28) T-2 toxin

29) Tetrodotoxin

**Tick-borne encephalitis complex (flavi) viruses:**

30) Far Eastern subtype

31) Siberian subtype

32) Kyasanur Forest disease virus

33) Omsk hemorrhagic fever virus

34) Variola major virus (Smallpox virus)\*

35) Variola minor virus (Alastrim)\*

36) *Yersinia pestis*\*

**Overlap Select Agents and Toxins**

37) *Bacillus anthracis*\*

38) *Bacillus anthracis* Pasteur strain

39) *Brucella abortus*

40) *Brucella melitensis*

41) *Brucella suis*

42) *Burkholderia mallei*\*

43) *Burkholderia pseudomallei*\*

44) Hendra virus

45) Nipah virus

46) Rift Valley fever virus

47) Venezuelan equine encephalitis virus<sup>1</sup>

**USDA Select Agents and Toxins**

48) African horse sickness virus

49) African swine fever virus

50) Avian influenza virus

51) Classical swine fever virus

52) Foot-and-mouth disease virus\*

53) Goat pox virus

54) Lumpy skin disease virus

55) *Mycoplasma capricolum*

56) *Mycoplasma mycoides*

57) Newcastle disease virus

58) Peste des petits ruminants virus

59) Rinderpest virus\*

60) Sheep pox virus

61) Swine vesicular disease virus

**USDA Plant Protection and Quarantine (PPQ) Select Agents and Toxins**

62) *Coniothyrium glycines* (formerly *Phoma glycinicola* and *Pyrenochaeta glycines*)

63) *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*)

64) *Ralstonia solanacearum*

65) *Rathayibacter toxicus*

66) *Sclerophthora rayssiae*

67) *Synchytrium endobioticum*

68) *Xanthomonas oryzae*

\* Denotes Tier 1 Agent

<sup>1</sup>Modified Venezuelan Equine Encephalitis Virus TC-83(A3G) strain is a select agent.