

Dual Use Research of Concern (DURC) Policy Update List of Agents

Health and Human Services (HHS) Select Agents and Toxins

- ☐ Abrin
- ☐ *Bacillus cereus* Biovar *anthracis*
- ☐ Botulinum neurotoxins
- ☐ *Clostridium botulinum* and neurotoxin-producing species of *Clostridia*
- ☐ Conotoxins (Short, paralytic alpha conotoxins containing the following amino acid sequence X₁CCX₂PACGX₃X₄X₅X₆CX₇)
- ☐ *Coxiella burnetii*
- ☐ Crimean-Congo hemorrhagic fever virus
- ☐ Diacetoxyscirpenol
- ☐ Eastern equine encephalitis virus
- ☐ Ebola virus
- ☐ *Francisella tularensis*
- ☐ Lassa fever virus
- ☐ Lujo virus
- ☐ Marburg virus
- ☐ Mpox virus Clade I
- ☐ 1918-1919 H1N1 including 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)
- ☐ Ricin
- ☐ *Rickettsia prowazekii*
- ☐ Severe acute respiratory coronavirus (SARS-CoV)
- ☐ 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
- ☐ Saxitoxin
- ☐ Chapare virus
- ☐ Guanarito virus
- ☐ Junín virus
- ☐ Machupo virus
- ☐ Sabía virus
- ☐ Staphylococcal enterotoxins (subtypes A, B, C, D, E)
- ☐ T-2 toxin
- ☐ Tetrodotoxin
- ☐ Tick-borne encephalitis complex virus: Far Eastern subtype
- ☐ Tick-borne encephalitis complex virus: Siberian subtype
- ☐ Kyasanur Forest disease virus
- ☐ Omsk hemorrhagic fever virus
- ☐ Variola major virus (Smallpox virus)
- ☐ Variola minor virus (Alastrim)
- ☐ *Yersinia pestis*

Overlap Select Agents and Toxins

- ☐ *Bacillus anthracis*
- ☐ *Bacillus anthracis* Pasteur strain
- ☐ *Burkholderia mallei*
- ☐ *Burkholderia pseudomallei*
- ☐ Hendra virus
- ☐ Nipah virus
- ☐ Rift Valley fever virus
- ☐ Venezuelan equine encephalitis virus

USDA Veterinary Services (VS) Select Agents and Toxins

- ☐ African horse sickness virus
- ☐ African swine fever virus
- ☐ Avian influenza virus [this is included here as a veterinary select agent in 9 CFR 121.3. Low pathogenicity strains are excluded.]
- ☐ Classical swine fever virus
- ☐ Foot-and-mouth disease virus
- ☐ Goat pox virus
- ☐ Lumpy skin disease virus
- ☐ *Mycoplasma capricolum*
- ☐ *Mycoplasma mycoides*
- ☐ Newcastle disease virus
- ☐ Peste des petits ruminants virus
- ☐ Rinderpest virus

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

- ☐ *Coniothyrium glycines*
- ☐ *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*)
- ☐ *Ralstonia solanacearum*
- ☐ *Rathayibacter toxicus*
- ☐ *Sclerophthora rayssiae*
- ☐ *Synchytrium endobioticum*
- ☐ *Xanthomonas oryzae*

Other Risk Group 4 Pathogens

- ☐ Tick-borne encephalitis virus complex including Absetterov, Central European encephalitis, Hanzalova, Hypr, and Kumlinge
- ☐ Herpesvirus simiae (herpes B or monkey B virus)
- ☐ Hemorrhagic fever agents and viruses as yet undefined

Other Risk Group 3 Pathogens

- ☐ *Bartonella*
- ☐ *Brucella* (*Brucella suis*, *Brucella abortus*, *Brucella melitensis*)
- ☐ *Orientia tsutsugamushi*
- ☐ *Pasteurella multocida* type B - "buffalo" and other virulent strains
- ☐ *Rickettsia akari*, *R. australis*, *R. canada*, *R. conorii*, *R. rickettsii*, *R. siberica*, *R. typhi* (*R. mooseri*)
- ☐ Chikungunya virus except the vaccine strain 181/25
- ☐ Semliki Forest virus
- ☐ St. Louis encephalitis virus
- ☐ Flexal virus
- ☐ Lymphocytic choriomeningitis virus (LCM) (neurotropic strains)
- ☐ Hantaviruses, including Hantaan virus
- ☐ Middle East respiratory syndrome coronavirus (MERS-CoV)
- ☐ Severe acute respiratory coronavirus 2 (SARS-CoV-2)
- ☐ Japanese encephalitis virus except strain SA 14-14-2
- ☐ West Nile virus

- ☐ Yellow fever virus
- ☐ Human influenza A virus H2N2 (1957-1968)
- ☐ Highly pathogenic avian influenza A virus H5Nx strains within the Goose/Guangdong/96-like H5 lineage (e.g., H5N1, H5N6, H5N8 etc.)
- ☐ Transmissible spongiform

OTHER

- ☐ Any attenuated pathogen or vaccine strain that is currently excluded from the Select Agent Regulations that exhibits the recovery of virulence at or near the wild-type
- ☐ Mpox virus clade I/II chimeric viruses resulting from any deliberate manipulation of clade II to incorporate nucleic acids coding for clade I virulence factors

NOTE: Any quantity of any of the 9 select agent toxins requires review under the DURC Policy

HHS Select Agent Toxins (Permissible Amounts per Select Agent Regulations)

Abrin	1000 mg
Botulinum neurotoxins	1 mg
Short, paralytic alpha conotoxins	200 mg
Diacetoxyscirpenol (DAS)	10,000 mg
Ricin	1000 mg
Saxitoxin	500 mg
Staphylococcal Enterotoxins (Subtypes A, B, C, D, and E)	100 mg
T-2 toxin	10,000 mg
Tetrodotoxin	500 mg