

USG Policy for Oversight of Dual Use Research of Concern and Pathogens with Enhanced Pandemic Potential

Category 1 Agents and Toxins

* There are no exempt quantities under this policy

HHS Select Agents and Toxins ¹	
<input type="checkbox"/>	Abrin
<input type="checkbox"/>	<i>Bacillus cereus</i> Biovar <i>anthracis</i>
<input type="checkbox"/>	Botulinum neurotoxins
<input type="checkbox"/>	<i>Clostridium botulinum</i> and neurotoxin-producing species of <i>Clostridia</i>
<input type="checkbox"/>	Conotoxins (Short, paralytic alpha conotoxins containing the following amino acid sequence X ₁ CCX ₂ PACGX ₃ X ₄ X ₅ X ₆ CX ₇)
<input type="checkbox"/>	<i>Coxiella burnetii</i>
<input type="checkbox"/>	Crimean-Congo hemorrhagic fever virus
<input type="checkbox"/>	Diacetoxyscirpenol
<input type="checkbox"/>	Eastern equine encephalitis virus
<input type="checkbox"/>	Ebola virus
<input type="checkbox"/>	<i>Francisella tularensis</i>
<input type="checkbox"/>	Lassa fever virus
<input type="checkbox"/>	Lujo virus
<input type="checkbox"/>	Marburg virus
<input type="checkbox"/>	Mpox virus Clade I
<input type="checkbox"/>	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)
<input type="checkbox"/>	Ricin
<input type="checkbox"/>	<i>Rickettsia prowazekii</i>
<input type="checkbox"/>	Severe acute respiratory coronavirus (SARS-CoV)
<input type="checkbox"/>	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
<input type="checkbox"/>	Saxitoxin
<input type="checkbox"/>	Chapare virus

¹ Biological agents and toxins listed in this part of the list are controlled by Select Agent Regulations, please refer to the Select Agents and Toxins list for any relevant strain exclusions.

<input type="checkbox"/>	Guanarito virus
<input type="checkbox"/>	Junín virus
<input type="checkbox"/>	Machupo virus
<input type="checkbox"/>	Sabía virus
<input type="checkbox"/>	Staphylococcal enterotoxins (subtypes A, B, C, D, E)
<input type="checkbox"/>	T-2 toxin
<input type="checkbox"/>	Tetrodotoxin
<input type="checkbox"/>	Tick-borne encephalitis complex virus: Far Eastern subtype
<input type="checkbox"/>	Tick-borne encephalitis complex virus: Siberian subtype
<input type="checkbox"/>	Kyasanur Forest disease virus
<input type="checkbox"/>	Omsk hemorrhagic fever virus
<input type="checkbox"/>	Variola major virus (Smallpox virus)
<input type="checkbox"/>	Variola minor virus (Alastrim)
<input type="checkbox"/>	<i>Yersinia pestis</i>
Overlap Select Agents and Toxins	
<input type="checkbox"/>	<i>Bacillus anthracis</i>
<input type="checkbox"/>	<i>Bacillus anthracis</i> Pasteur strain
<input type="checkbox"/>	<i>Brucella abortus</i>
<input type="checkbox"/>	<i>Brucella melitensis</i>
<input type="checkbox"/>	<i>Brucella suis</i>
<input type="checkbox"/>	<i>Burkholderia mallei</i>
<input type="checkbox"/>	<i>Burkholderia pseudomallei</i>
<input type="checkbox"/>	Hendra virus
<input type="checkbox"/>	Nipah virus
<input type="checkbox"/>	Rift Valley fever virus
<input type="checkbox"/>	Venezuelan equine encephalitis virus
USDA Veterinary Services (VS) Select Agents and Toxins	
<input type="checkbox"/>	African horse sickness virus
<input type="checkbox"/>	African swine fever virus
<input type="checkbox"/>	Avian influenza virus [this is included here as a veterinary select agent in 9 CFR 121.3. Low pathogenicity strains are excluded.]
<input type="checkbox"/>	Classical swine fever virus
<input type="checkbox"/>	Foot-and-mouth disease virus
<input type="checkbox"/>	Goat pox virus
<input type="checkbox"/>	Lumpy skin disease virus
<input type="checkbox"/>	<i>Mycoplasma capricolum</i>
<input type="checkbox"/>	<i>Mycoplasma mycoides</i>
<input type="checkbox"/>	Newcastle disease virus
<input type="checkbox"/>	Peste des petits ruminants virus
<input type="checkbox"/>	Rinderpest virus

<input type="checkbox"/>	Sheep pox virus
<input type="checkbox"/>	Swine vesicular disease virus
USDA Plant Protection and Quarantine (PPQ) Select Agents and Toxins	
<input type="checkbox"/>	<i>Coniothyrium glycines</i>
<input type="checkbox"/>	<i>Peronosclerospora philippinensis</i> (<i>Peronosclerospora sacchari</i>)
<input type="checkbox"/>	<i>Ralstonia solanacearum</i>
<input type="checkbox"/>	<i>Rathayibacter toxicus</i>
<input type="checkbox"/>	<i>Sclerophthora rayssiae</i>
<input type="checkbox"/>	<i>Synchytrium endobioticum</i>
<input type="checkbox"/>	<i>Xanthomonas oryzae</i>
Other Risk Group 4 Pathogens²	
<input type="checkbox"/>	Tick-borne encephalitis virus complex including Absetterov, Central European encephalitis, Hanzalova, Hypr, and Kumlinge
<input type="checkbox"/>	Herpesvirus simiae (herpes B or monkey B virus)
<input type="checkbox"/>	Hemorrhagic fever agents and viruses as yet undefined
Other Risk Group 3 Pathogens³	
<input type="checkbox"/>	<i>Bartonella</i>
<input type="checkbox"/>	<i>Brucella</i>
<input type="checkbox"/>	<i>Orientia tsutsugamushi</i>
<input type="checkbox"/>	<i>Pasteurella multocida</i> type B - "buffalo" and other virulent strains
<input type="checkbox"/>	<i>Rickettsia akari</i> , <i>R. australis</i> , <i>R. canada</i> , <i>R. conorii</i> , <i>R. rickettsii</i> , <i>R. siberica</i> , <i>R. typhi</i> (<i>R. mooseri</i>)
<input type="checkbox"/>	Chikungunya virus except the vaccine strain 181/25
<input type="checkbox"/>	Semliki Forest virus
<input type="checkbox"/>	Flexal virus
<input type="checkbox"/>	Lymphocytic choriomeningitis virus (LCM) (neurotropic strains)
<input type="checkbox"/>	Hantaviruses, including Hantaan virus
<input type="checkbox"/>	Middle East respiratory syndrome coronavirus (MERS-CoV)
<input type="checkbox"/>	Japanese encephalitis virus except strain SA 14-14-2
<input type="checkbox"/>	Yellow fever virus
<input type="checkbox"/>	Human influenza A virus H2N2 (1957-1968)
<input type="checkbox"/>	Highly pathogenic avian influenza A virus H5Nx strains within the Goose/Guangdong/96-like H5 lineage (e.g., H5N1, H5N6, H5N8 etc.)
<input type="checkbox"/>	Transmissible spongiform encephalopathy (TSE) agents (e.g., Creutzfeldt-Jacob disease and kuru agents)

² Pathogens listed in this part of the list are Risk Group 4 but not controlled by the Select Agent Regulations, please refer to the *NIH Guidelines* for any relevant strain exclusions.

³ Pathogens listed in this part of the list are Risk Group 3 but not controlled by the Select Agent Regulations, please refer to the *NIH Guidelines* for any relevant strain exclusions.

Other	
<input type="checkbox"/>	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
<input type="checkbox"/>	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

Exempt Risk Group 3 Agents

- Human immunodeficiency virus (HIV) types 1 and 2
- Human T cell lymphotropic virus (HTLV) types 1 and 2
- Simian immunodeficiency virus (SIV)
- *Mycobacterium bovis*, *M. tuberculosis*
- Monkeypox virus (Clade II unless containing nucleic acids for Clade I MPVX virus virulence factors)
- Vesicular stomatitis virus
- *Coccidioides immitis* (sporulating cultures; contaminated soil)
- *Histoplasma capsulatum*, *H. capsulatum* var. *duboisii*