

# Dual Use Research of Concern (DURC)

## DURC Agents

Agents and toxins specified by the U.S. Government as governed by its DURC policy. The below list of agents and toxins will be subject to revision to reflect future changes in federal DURC policy, but as currently defined, the following 15 agents and toxins, in any quantity, are governed by federal and University policy on DURC:

1. Avian influenza virus (highly pathogenic)
2. *Bacillus anthracis*
3. Botulinum neurotoxin (For purposes of this Policy, there are no exempt quantities of botulinum neurotoxin. Research involving any quantity of botulinum neurotoxin should be evaluated for DURC potential.)
4. *Burkholderia mallei*
5. *Burkholderia pseudomallei*
6. Ebola virus
7. Foot-and-mouth disease virus
8. *Francisella tularensis*
9. Marburg virus
10. Reconstructed 1918 Influenza virus
11. Rinderpest virus
12. Toxin-producing strains of *Clostridium botulinum*
13. Variola major virus
14. Variola minor virus
15. *Yersinia pestis*

## DURC Experimental Effects of Concern

1. Enhances the harmful consequences of the agent or toxin.
2. Disrupts immunity or effectiveness of an immunization against the agent or toxin, without clinical and/or agricultural justification.
3. Confers to the agent or toxin resistance to clinically and/or agriculturally useful prophylactic or therapeutic interventions against that agent or toxin or facilitates their ability to evade detection methodologies.
4. Increases the stability, transmissibility or the ability to disseminate the agent or toxin.
5. Alters the host range or tropism of the agent or toxin.
6. Enhances the susceptibility of a host population to the agent or toxin.
7. Generates or reconstitutes an eradicated or extinct agent or toxin listed in the definition of DURC Agents.

## Additional Information

[Federal Government DURC Policy & Guidance](#)

[FAQ on USG Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern](#)

[Training Slide Set: Training on the USG Policy for Institutional Oversight of Life Sciences Dual Use Research of Concern](#)

[National Institutes of Health – Office of Science Policy: Dual Use Research of Concern](#)