**Risk/Benefit Analysis of Research Project**

*Since the Institutional Review Entity (IRE) has determined that the research described meets the criteria for DURC/PEPP, a Risk-Benefit Analysis (RBA) must be conducted using the guiding questions below. These questions are intended to facilitate thoughtful assessment of the potential risks and benefits associated with the research. It is understood that responses to some questions may be philosophical, speculative, or based on best estimates. Please answer as thoroughly as possible, clearly stating any limitations, assumptions, or areas of uncertainty.*

Note: This template is intended as a starting point for the risk-benefit analysis. Additional topics may be identified through ongoing discussions with the Institutional Contact for Dual Use Research (ICDUR) and the IRE.

**Could the knowledge, information, technologies, or products from this research be misused?**

* **What types of knowledge, information, technologies, or products are generated from this research?**
* **How will the results or products of the research be shared or distributed?**
* **How novel is the information provided by the research or the methods utilized?**
* **Are the research products applicable to more common or less pathogenic agents?**
* **Does the research highlight vulnerabilities in existing countermeasures or public health or agriculture infrastructure?**

**With what ease could the knowledge, information, technologies, or products possible be directly misused? What is the feasibility of misuse?**

* **What level of technical skill and sophistication is required to use the information contained in this project for harmful purposes?**
* **Are the materials, equipment, or reagents required for misuse expensive or difficult to procure?**
* **Could the product of the research be directly misused to pose a threat to public health and safety, agriculture, plants, animals, the environment, materiel, or national security? If there could be misuse, what is the time frame for it?**

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**What are the potential consequences of misuse of this research? (Include scope, magnitude, and nature of)**

**Are there available countermeasures? How readily are they available?**

**What are the benefits of this research?**

* **Will the knowledge, information, or technology generated from this research be broadly applicable?**
* **What populations will be positively affected?**
* **In what time frame might this research benefit science, public health, agriculture, plants, animals, the environment, materiel, or national security?**
* **Can the information be applied to improvements in surveillance or the development of countermeasures? What evidence supports this?**
* **What is the time frame for the potential benefits or anticipated risks to be realized?**
* **How might the potential benefits and anticipated risked be distributed across different populations?**
* **Who or what will bear the anticipated risks? Will the distribution be fair or just?**

**After weighting the risks and benefits, should this research proceed?**

**What risk mitigations measures are warranted for this research to proceed forward?**