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| **Laboratory Contact Information** | | |
| PI Name and E-mail |  | |
| Laboratory(ies)- Building and Room Number(s) |  | |
| Group Safety Representative and  E-mail Address |  | |
| **Agent Name:** |  | |
| **Characteristics of the Agent** | | |
| Risk Group (based on NIH definition). | **RG-1:** not known to be associated with human disease in healthy individuals  **RG-2:** known to be associated with human disease that is rarely serious, preventative or therapeutic interventions are typically available  **RG-3:** known to be associated with serious or lethal human disease, preventative or therapeutic interventions may or may not available | |
| Agent Type | Bacteria  Protozoa  Prion  Virus  Archaea  Parasite  Algae | Human cells (primary and established cell lines or blood) and/ or human tissues  Human bodily fluids (saliva, urine, feces, CSF, etc.)  Non-human mammalian cells or tissues  Non-human non-mammalian cells or tissues  Recombinant Nucleic Acid Molecules |
| Agent/ Strain/ Family of microorganisms and Source Information |  | |
| Permit Requirements | Are there any special permits/authorizations required for this agent?  Yes  No | |
| Pathogenicity, Virulence, Infectious Dose  (attenuated/ standard/ more virulent; environmental stability, etc.) |  | |

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| **Biological Risks Associated with Agent** | | |
| Incubation Period  (From exposure to onset of symptoms) |  | |
| Signs and Symptoms of Disease |  | |
| Host Range |  | |
| Routes of Exposure | Direct Contact  Mucous Membranes  Vertical Transmission  Aerosols/ Inhalation  Contaminated Fomites | Aerosol/ Inhalation  Percutaneous  Broken Skin  Other- specify:  Animal Bites  Ingestion |

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| **Laboratory Hazards and Handling Guidelines** | | | |
| Recommended Laboratory Biosafety Level | BSL-1  BSL-2 BSL-2+ (BSL-2 with BSL-3 practices)  BSL-3 | | |
| Laboratory Hazards | Aerosol-generating procedures (centrifugation, sonication, high pressure systems, vortexing, tube cap popping)  Handling of sharps (needles and syringes, scalpels, microtome blades, broken glass, razor blades, etc.)  Splash-generating activities (pipetting, shaking incubators, liquid cultures)  Equipment contamination  Exposed skin/ uncovered wounds  Other (specify): | | |
| Prior known Laboratory Acquired Infections (LAIs)  Provide background information if yes | Yes No  Prior LAIs documented: | | |
| Risk Mitigation Options  (Potential alternative options to working with this agent) |  | | |
| Required US & A Training | Biological Safety  Bloodborne Pathogens  Radiation Safety  Laboratory Safety/ Chemical Hygiene | Hazardous Waste Generator  Respiratory Protection  Human Subjects Training  Other (Specify): | |
| Lab Engineering Controls | Impervious bench top  Chemical fume hood  Centrifuge with lid, safety cups, other safety features | Biological Safety Cabinet (specify type: )  Use of safety-engineered sharps (describe: )  Other (specify): | |
| Personal Protective Equipment (PPE) | Eye protection (specify):  Gloves (specify):  Lab coat- disposable, with cinch cuffs  Lab coat- cloth with cinch cuffs (no open cuffs)  Disposable solid-front lab gown  Protective Suit  Respirator (specify)  Shoe covers  Scrubs | | Booties  Sleeve covers  Hair nets  Bonnets  Face shields  Safety Glasses  Goggles  Surgical masks |
| **Animal Vivarium Guidelines** | | | |
| Animal Biosafety Level of Containment (ABSL) | ABSL-1 ABSL-2  ABSL-3 | | |
| Animal Biosecurity |  | | |
| Special Practices- describe inoculations (where they are performed, measures taken to protect researcher/ prevent  accidental release). |  | | |
| Cage Changes and Room Decontamination  (SOP for cage change, routine decontamination of animal lab space) |  | | |

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| **Decontamination and Disposal** | |
| Disinfectants Appropriate for Equipment/ Benchtop |  |
| Biological Safety Cabinet Decontamination |  |
| Biohazardous Waste Decontamination |  |
| Decontaminated biohazardous waste disposal |  |
| Sharps Disposal |  |

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| **Accidental Exposure and Spill Procedures** | |
| Spills outside of biosafety cabinet |  |
| Spills inside of biosafety cabinet |  |
| Mucous membrane exposure |  |
| Other exposures |  |
| Incident Reporting |  |

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| **Occupational Health** | |
| Immunizations | Available Not available |
| Prophylaxis (describe): |  |
| Post-Exposure Treatment Options  (Indicate contraindications for pre or post-exposure prophylaxis as well) |  |
| At-Risk Personnel  (High-risk populations, if anyone should potentially be excluded from work with agent and why) |  |

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| **Biosafety Level \_ Containment Requirements** | |
| Personal Hygiene |  |
| Standard Microbiological Practices |  |
| Special Practices |  |
| Waste Guidance |  |

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| **Special Considerations** | |
| Transport of Agent | Transporting between laboratory rooms or buildings:  Transporting from off-campus or to an off-campus location: |
| Storage of Agent |  |
| Other |  |

# References

Cornell University. (2018, January). *Biological Agent Reference Sheets*. Retrieved from Cornell University EHS: https://sp.ehs.cornell.edu/lab-research-safety/bios/bars/Pages/default.aspx

OSHA. (1992). *Regulations (Standards- 29 CFR) - Table of Contents*. Retrieved from United States Department of Labor Occupational Safety and Health Administration : https://www.osha.gov/pls/oshaweb/owadisp.show\_document?p\_table=STANDARDS&p\_id=10051

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| Biosafety Program Office Use Only |
| Reviewed:  BSO Signature: |