Biosafety Standard Operating Procedures – Toxins

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| Principal Investigator: | | **Click or tap here to enter text.** | | | | IBC Protocol Number: | | | **Click or tap here to enter text.** | |
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| 1.0 Toxin: | Name & Manufacturer: Click or tap here to enter text. | | | | | | | | | |
| CAS: Click or tap here to enter text. | | | | | | | | | | |
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| 1.1 Biosafety Level: | | | BSL2 | | | | BSL2+ | | | BSL3 |
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| 1.2 GHS rating or other information regarding toxicity: | | | | Click or tap here to enter text. | | | | | | |
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| 1.3 Describe the source of this material: | | | | | Click or tap here to enter text. | | | | | |

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| Use the SDS to fill out the following information; if not applicable state N/A. | | |
| Consequences | Click or tap here to enter text. | |
| Signs & Symptoms | Click or tap here to enter text. | |
| First Aid Measures | General Advice: | Click or tap here to enter text. |
|  | Inhalation: | Click or tap here to enter text. |
|  | Skin: | Click or tap here to enter text. |
|  | Eyes: | Click or tap here to enter text. |
|  | Ingestion: | Click or tap here to enter text. |
|  | Target organ effect: | Click or tap here to enter text. |

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| 2.0 Training Requirements: | | | | | | | | | | | | | | | | | | | | | | | |
| 2.1 LSE Training: | | | | | | | | | | It is mandatory all lab personnel complete Laboratory Safety Essentials per HSC OP 75.01 TTUHSC Safety Programs and the IBC Bylaws, by checking “I Agree” you are confirming that all personnel handling this agent have been appropriately trained in its use and emergency procedures related to accidents and/or exposure events. | | | | | | | | | | | | | |
|  | | | | | | | | | | I Agree | | | | | |  | | | |  | | | |
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| 3.0 Procedures & Storage | | | | | | | | | | | | | | | | | | | | | | | |
| 3.1 Describe the procedures used with EACH toxin and amount of toxin to be used per procedure: | | | | | | | | | | | | | | | | | | | | | | | |
| Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | | | |
| 3.2 Procedures will (check all that apply and list toxin beneath): | | | | | | | | | | | | Generate aerosols/dust  Click or tap here to enter text. | | | | | | Involve sharps  Click or tap here to enter text. | | | | | Inoculation of live animals  Click or tap here to enter text. |
|  | | | | | | | | | | | | Potentially contaminate hands or clothing  Click or tap here to enter text. | | | | | | Other (Please explanation)  Click or tap here to enter text. | | | | | |
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| 3.3 a) What room will this material be stored in?  Click or tap here to enter text. | | | | | | | | | | | | | | b) What room will this material be used in?  Click or tap here to enter text. | | | | | | | | | |
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| 3.4 What is the max quantity used at any time (mg, ml, etc)? | | | | | | | | | | | | | | | | | Click or tap here to enter text. | | | | | | |
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| 3.5 What is the max quantity in the laboratory at any time? | | | | | | | | | | | | | | | | | Click or tap here to enter text. | | | | | | |
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| 3.6 Describe any hazards to laboratory workers (& LARC personnel): | | | | | | | | | Click or tap here to enter text. | | | | | | | | | | | | | | |
| *(Risks generally include: ingestion, skin puncture, contact with mucous membranes [e.g., eyes, nose, mouth], contact with non-intact skin, exposure to aerosols generated during procedures)* | | | | | | | | | | | | | | | | | | | | | | | |
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| 3.7 List any constraints on this material as they apply to personnel: | | | | | | | | | | Click or tap here to enter text. | | | | | | | | | | | | | |
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| 3.8 Personal Protective Equipment: | | | | | | | | | List all PPE required to work with this toxin; if not applicable state N/A. | | | | | | | | | | | | | | |
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| 4.0 Engineering Controls: | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 a) Describe processes or procedures **established by the PI** for the purpose of reducing personnel exposure: | | | | | | | | | | | | | | | | | | | | | | | |
| Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | | | |
| b) Describe any additional PPE: Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | | | |
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| 4.2 Engineering Controls: | | | | | | | | List EACH toxin beneath the category | | | | | | | | | | | | | | | |
| Containment: | | | Open Bench  Click or tap here to enter text. | | | | | | | | | | Fume Hood  Click or tap here to enter text. | | | Draft Shielded Scale  Click or tap here to enter text. | | | | Biosafety Cabinet (BSC)  Click or tap here to enter text. | | | |
|  | | | Other (List Other: Click or tap here to enter text.) | | | | | | | | | | | | | | | | | | | | |
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| 5.0 Animal Use: | | | | YES If used in animals identify risks related to use in animals  NO If no skip to section 6.0 | | | | | | | | | | | | | | | | | | | |
| 5.1 | | A.  Sharps hazard | | | | | | | | | B.  Aerosol hazard | | | | C.  Hazards from animal waste, bedding, and/or cage handling | | | | | | | D.  Physical hazard from animal/lesions on animals related to agent | |
| 5.2 | | Describe means to mitigate hazards produced from section 5.1 for EACH toxin: | | | | | | | | | | | | | | | | | | | | | |
|  | | 1. Sharps Hazard: Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | |
|  | | 1. Aerosol Hazard: Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | |
|  | | 1. Hazards from animal: Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | |
|  | | 1. Physical Hazard: Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | |
| 5.3 | | Describe any hazards to LARC Staff: | | | | | | | | | | | | | | | | | | | | | |
|  | | Click or tap here to enter text. | | | | | | | | | | | | | | | | | | | | | |
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| 6.0 Waste Disposal: Indicate what type of waste this agent will produce: | | | | | | | | | | | | | | | | | | | | | | | |
| Liquid | Solid | | | | | | Contaminated Reusable Item | | | | | | | | | Animal Tissue | | | Animal Carcass | | Animal bedding/waste/cage | | |
| Unused agent | | | | | | | | | | | | | | | | Only select the above if used in animals | | | | | | | |
|  | | | | | | | | | | | | | | | |  | | | | | | | |
| 6.1 Describe how you will dispose of each waste selected above for each toxin: | | | | | | | | | | | | | | | | | | | | | | | |
| Liquid: | | | | | | Click or tap here to enter text. | | | | | | | | | | | | | | | | | |
| Solid: | | | | | | Click or tap here to enter text. | | | | | | | | | | | | | | | | | |
| Unused Agent: | | | | | | Click or tap here to enter text. | | | | | | | | | | | | | | | | | |
| Animal Waste: | | | | | | Click or tap here to enter text. | | | | | | | | | | | | | | | | | |
| (Specify for each type of animal waste) | | | | | |  | | | | | | | | | | | | | | | | | |

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| 7.0 Accidental Cleanup Procedures: Describe methods to be used to address spills, including concentration and contact time of any cleaning or deactivating agents, spill kits and/or any other necessary supplies required for cleanup. | | |
| Describe appropriate PPE during cleanup:  Click or tap here to enter text. | | |
| Procedure for powder spill:  Click or tap here to enter text. | | |
| Procedure for liquid spill:  Click or tap here to enter text. | | |
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