Pathogen Safety Data Sheet for Risk Group 1 Material

Contents

[Section I – Infectious Agent 1](#_Toc446531641)

[Section II – Hazard Identification 1](#_Toc446531642)

[Section III – Dissemination 2](#_Toc446531643)

[Section IV – Stability and Viability 2](#_Toc446531644)

[Section V – First Aid / Medical 2](#_Toc446531645)

[Section VI – Laboratory Hazards 2](#_Toc446531646)

[Section VII – Exposure Controls and Personal Protection 2](#_Toc446531647)

[Section VIII - Handling and Storage 3](#_Toc446531648)

[Section IX – Regulatory Information 3](#_Toc446531649)

[Training 3](#_Toc446531650)

<<<< This SOP is left in DOCX format so that you may edit it for your own laboratory>>>

It is important that all lab workers self-monitor for symptoms associated with a potential exposure to Risk Group 1 materials. Although non-pathogenic to a majority of the population, those with compromised immune systems or those with an undiagnosed genetic predisposition may become ill upon infection.

It is important to treat any item that is deemed risk group 2 for plants or animals as risk group 2 agents, even though they may not be pathogenic to humans. Containment Level 2 is important not only for protecting the worker, but for protecting the environment.

# Section I – Infectious Agent

All Risk Group 1 or materials that are non-pathogenic to humans.

# Section II – Hazard Identification

Pathogenicity / Toxicity – not known to be pathogenic

Epidemiology - NA

Host Range – NA

Infectious Dose - NA

Mode of Transmission – Assumed to be communicable by all routes.

Incubation Period - NA

Communicability – Assumed to be moderately communicable.

# Section III – Dissemination

Reservoir – Assumed to be human only, but reservoirs may include plants, animals or aquatic species.

Zoonosis - NA

Vectors – unknown; use precautions to prevent release or cross contamination. Use pest control when vermin are present in the laboratory.

# Section IV – Stability and Viability

Drug susceptibility - NA

Susceptibility to disinfectants – Assumed to be susceptible to 10% bleach or 70% ethanol for a minimum contact time of 5 minutes.

Physical Inactivation – Assumed to be susceptible to autoclaving.

Survival Outside the Host – Assumed to be stable outside the host.

# Section V – First Aid / Medical

Surveillance – Ongoing self assessment for any symptoms following a laboratory exposure.

First Aid / Treatment – Not required for infection, only required for primary injury.

Immunization – None available.

Prophylaxis – None available.

# Section VI – Laboratory Hazards

Laboratory acquired infections - NA

Sources / Specimens – Assumed to be all specimens.

Primary Hazards – Assumed to be all laboratory activities involving handling of the sample.

Special Hazards – None.

# Section VII – Exposure Controls and Personal Protection

Risk Group Classification – Risk Group 1

Containment Requirements – Containment Level 1.

Protective Clothing – Lab coat, closed toed shoes and gloves when handling the samples.

Other Precautions – Recommended to use a BSC when aerosols or splashes are likely.

# Section VIII - Handling and Storage

Spills – Follow routine spill handling protocols.

Disposal – Through biohazardous waste stream.

Storage – No recommendations; keep away from ANIMALS and PLANTS.

# Section IX – Regulatory Information

Regulatory Information – Risk group 1 agents are not regulated by PHAC but are regulated by CFIA if they infect aquatic animals or plants.

# Training

1. Each lab member is to read, agree and sign off on this SOP.
2. Upon revision or re-write, this SOP is to be re-circulated and re-signed by all lab members.