Pathogen Safety Data Sheet NIPISSING



Zoonosis / Reverse Zoonosis

None.

Section 4 - Dissemination

Drug Susceptibility

None required

Drug Resistance

None

Susceptibility to Disinfectants

70% ethyl alcohol or 0.125% glutaraldehyde, all with a contact time of 1 minute or 5mg/L of hypochlorite with a contact time of 5 minutes.

Physical Inactivation

Inactivated by heat (100 degrees C for 1 min.) and gamma irradiation.

Survival Outside Host

Survives in the natural environment

Section 5 - First Aid and Medical

Surveillance

Infection can be confirmed by culturing and identification of bacteria from the infection site. Note: All diagnostic methods are not necessarily available in all countries

First Aid / Treatment

None required

Immunization

None

Prophylaxis

None

Section 6 - Laboratory Hazards

Laboratory Acquired Infections

None reported

Sources / Specimens

Not applicable

Primary Hazards

None

Special Hazards

None

Section 7 - Exposure Controls and Personal Protection

Risk Group Classification

What is the Risk Group classification in humans and animals for the pathogen?

Human Risk Group Classification RG1

Animal Risk Group Classification RG1

Containment Requirements

Containment Level: CL1

Containment Zone Requirements:

Containment Level 1 facilities, equipment, and operational practices for work involving infectious or potentially infectious materials, animals, or cultures.

Protective Clothing

Lab coat. Gloves when direct skin contact with infected materials or animals is unavoidable. Eye protection must be used where there is a known or potential risk of exposure to splashes. If there are no special hazards for this agent enter "none".

Other Precautions

All procedures that may produce aerosols, or involve high concentrations or large volumes should be conducted in a biological safety cabinet (BSC). The use of needles, syringes, and other sharp objects should be strictly limited. Additional precautions should be considered with work involving animals or large scale activities.

Section 8 - Handling and Storage

Spills

Allow aerosols to settle. Wearing protective clothing, gently cover the spill with absorbent paper towel and apply suitable disinfectant, starting at the perimeter and working towards the centre. Allow sufficient contact time before clean up.

Disposal

Decontaminate all wastes that contain or have come in contact with the infectious organism by autoclave, chemical disinfection, gamma irradiation, or incineration before disposing.

Storage

The infectious agent should be stored in appropriately labelled leak-proof containers in a locked area. Containers of infectious material or toxins stored outside the containment zone must be labelled, leakproof, impact resistant, and kept either in locked storage equipment or within an area with limited access.

Section 9 - Regulatory Information

The import, transport, and use of pathogens in Canada is regulated under many regulatory bodies, including the Public Health Agency of Canada, Health Canada, Canadian Food Inspection Agency, Environment Canada, and Transport Canada. Users are responsible for ensuring they are compliant with all relevant acts, regulations, guidelines, and standards.

PSDS Creation Date: Jan 12, 2018

Revision Number:

PSDS Revision Date:

Revisions were made to Sections:

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Prepared by Nipissing University Biosafety Officer

References

Risk Group determination from "PHAC Biological Agent Search".

D'Herelle F (1918). "Sur le rôle du microbe filtrant bactériophage dans la dysenterie bacillaire". Comptes Rendus Acad. Sci. 167: 970–972.

Delbrück M.; Luria S. E. (1942). "Interference between bacterial viruses: I. Interference between two bacterial viruses acting upon the same host, and the mechanism of virus growth". Arch. Biochem. 1: 111–141.