

PATHOGEN SAFETY DATA SHEET

Acinetobacter baumannii

CHARACTERISTICS	
Morphology	Rod-shaped gram-negative bacteria.
Disease	Pneumonia, urinary tract infections, wound infections, soft tissue infections, secondary meningitis, nosocomial infections.
Zoonosis	None.

HEALTH HAZARDS	
Host Range	Humans.
Modes of Transmission	Poses very little risk to healthy individuals. People who have weakened immune systems are at risk. Can be spread to susceptible persons by person-to-person contact with contaminated surfaces.
Signs and Symptoms	Causes a variety of diseases ranging from pneumonia to serious blood or wound infections.
Infectious Dose	unknown
Incubation Period	unknown

MEDICAL PRECAUTIONS/TREATMENT	
Prophylaxis	None available.
Vaccines	None available.
Treatment	Treatment with imipenem or meropenem, but a steady rise in carbapenem resistance has been reported. Consequently, treatment methods often fall on polymyxins, such as colistin.
Surveillance	Monitor for symptoms.
MSU Requirements	Report any exposures

LABORATORY HAZARDS	
Laboratory Acquired Infections (LAIs)	None have been reported.
Sources	Aquatic environments, sputum, respiratory secretions, wounds, and urine. Cultures, frozen stocks, other samples described in IBC protocol.

SUPPLEMENTAL REFERENCES	
Canadian MSDS:	http://www.phac-aspc.gc.ca/lab-bio/res/psds-ftss/index-eng.php
BMBL	https://www.cdc.gov/labs/BMBL.html
CDC	https://www.cdc.gov/hai/organisms/acinetobacter.html
NIH Guidelines	https://osp.od.nih.gov/wp-content/uploads/NIH_Guidelines.pdf

RISK GROUP & CONTAINMENT REQUIREMENTS	
Risk Group 2	Agents that are associated with human disease which is rarely serious and for which preventive or therapeutic interventions are often available.
BSL2	For all procedures involving suspected or known infectious specimen or cultures.
ABSL2	For all procedures utilizing infected animals.

SPILL PROCEDURES	
Small	Notify others working in the lab. Remove PPE and don new PPE. Cover area of the spill with absorbent material and add fresh 1:10 bleach:water. Allow 20 minutes (or as directed) of contact time. After 20 minutes, cleanup and dispose of materials.
Large	<ul style="list-style-type: none"> Immediately notify all personnel in the lab and clear all personnel from the area. Remove any contaminated PPE/clothing and leave the lab. Secure the area by locking doors, posting signage and guarding the area to keep people out of the space. For assistance, contact MSU's Biosafety Officer (406-994-6733) or Safety and Risk Management (406-994-2711).

EXPOSURE PROCEDURES	
Mucous membrane	Flush eyes, mouth, or nose for 5 minutes at eyewash station.
Other Exposures	Wash area with soap and water for 5 minutes.
Reporting	Immediately report incident to supervisor, complete a First Report of Injury form, and submit to Safety and Risk Management.
Medical Follow-up	During business hours: Bridger Occupational Health 3406 Laramie Drive Weekdays 8am -6pm. Weekends 9am-5pm After business hours: Bozeman Deaconess Hospital Emergency Room 915 Highland Blvd

VIABILITY	
Disinfection	Susceptible to 1:10 bleach:water, 70 % ethanol, and 2 % formaldehyde, accelerated hydrogen peroxide
Inactivation	Inactivated by moist heat (15 minutes at 121°C) and dry heat (1 hour at 160-170°C).
Survival Outside Host	Survives in the environment for long periods of time.

PERSONAL PROTECTIVE EQUIPMENT (PPE)	
Minimum PPE Requirements	Lab coat, disposable gloves, safety glasses, closed toed shoes, long pants
Additional Precautions	Additional PPE may be required depending on lab specific SOPs and IBC Protocol.