|  |
| --- |
| **CHARACTERISTICS** |
| Morphology | Facultatively anaerobic gram-positive bacteria. |
| Disease | Nosocomial infections, including urinary tract infections, wound infections, and bacteremia. |
| Zoonosis | High likelihood that it can be transmitted from animals to humans. |

|  |
| --- |
| **HEALTH HAZARDS** |
| Host Range | Humans and animals. |
| Modes of Transmission | Nosocomial and person-to-person; can also be transmitted on food products. |
| Signs and Symptoms |  Can cause urinary tract, wound, and soft tissue infections. |
| Infectious Dose | Unknown. |
| Incubation Period | Unknown. |

|  |
| --- |
| **MEDICAL PRECAUTIONS/TREATMENT** |
| Prophylaxis | None. |
| Vaccines | None. |
| Treatment | Penicillin, ampicillin, and vancomycin. |
| Surveillance | Monitor for symptoms. |
| MSU Requirements | Report any exposures. |

|  |
| --- |
| **LABORATORY HAZARDS** |
| Laboratory Acquired Infections (LAIs)  |  No cases have been reported. |
| Sources | Blood, urine, wound samples, and feces. Cultures, frozen stocks, other samples described in IBC protocol. |

|  |
| --- |
| **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. |

|  |
| --- |
| **VIABILITY** |
| Disinfection | Susceptible to 1:10 bleach:water, 70 % ethanol, accelerated hydrogen peroxide. |
| Inactivation | Inactivated by moist heat (1 hour at 121oC). |
| Survival Outside Host | Can survive 5 days to 4 months on dry inanimate surfaces. Can grow and survive in harsh environments, and persist almost anywhere including soil, plants, water, and food. |

|  |
| --- |
| **SUPPLEMENTAL REFERENCES** |
| BMBL | <https://www.cdc.gov/labs/BMBL.html>  |
| NIH Guidelines | <https://osp.od.nih.gov/wp-content/uploads/NIH_Guidelines.pdf>  |
| Canada PSDS | <https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/enterococcus-faecalis.html> |

|  |
| --- |
| **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 | * 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](https://firstreportinjury.mus.edu/) form, and submit to Safety and Risk Management. |
| Medical Follow-up | **During business hours:**Bridger Occupational Health 3400 Laramie Drive Weekdays 8am -6pm. Weekends 9am-5pm406-577-7674**After business hours:**Bozeman Deaconess Hospital Emergency Room915 Highland Blvd |

|  |
| --- |
| **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. |