

## Biological Terrorism Poster

Produced by the MN Department of Health [www.health.state.mn.us](http://www.health.state.mn.us), the MN Laboratory System [www.health.state.mn.us/mls](http://www.health.state.mn.us/mls), and The Poison Control Center [www.mnpoison.org](http://www.mnpoison.org)

### Anthrax

- Bacillus Anthracis
  - Large, gram positive, spore forming bacilli
  - Non-hemolytic
  - Non-motile
  - Sticky, adheres to agar surface
  - Catalase positive

### Tularemia

- Francisella Tularensis
  - Poorly staining, tiny gram negative coccobacilli
  - Slow growing, requires cysteine
  - Oxidase negative
  - Urea negative
  - Nitrate negative

### Plague

- Yersinia Pestis
  - Bipolar, “safety-pin” gram negative bacilli
  - Slow growing
  - Lactose negative
  - Oxidase negative
  - Urea negative

### Brucellosis

- Brucella Species
  - Poorly staining, tiny gram negative coccobacilli
  - Slow growing
  - Oxidase positive
  - Nitrate positive
  - Urea positive

Recognize the agents of bioterrorism. You are the first line of defense. Call the MDH Clinical Microbiology Laboratory at 651-201-5073. (After regular hours call 651-201-5414)

## BIOLOGICAL TERRORISM POSTER

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