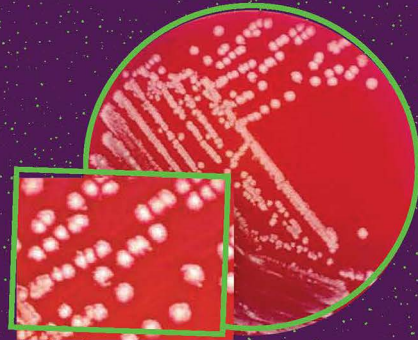
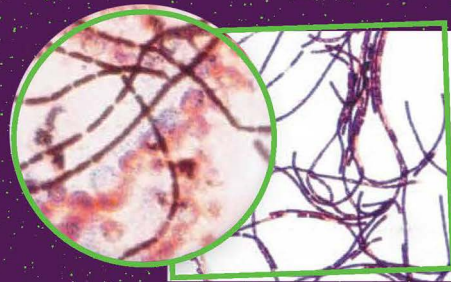


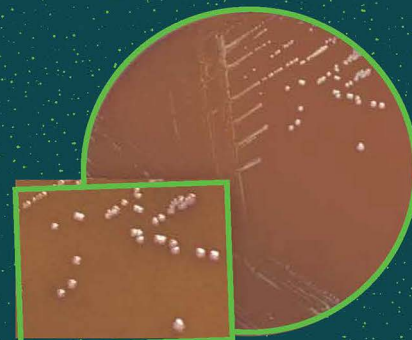
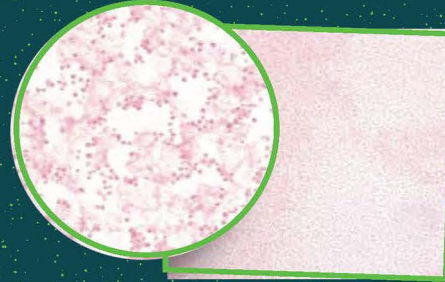
BIOLOGICAL TERRORISM



ANTHRAX

Bacillus Anthracis

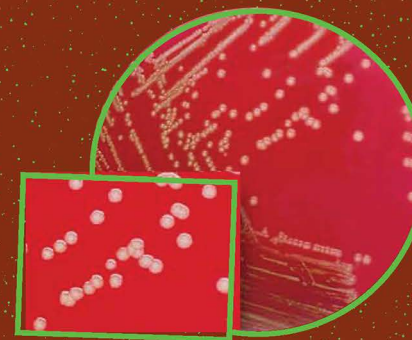
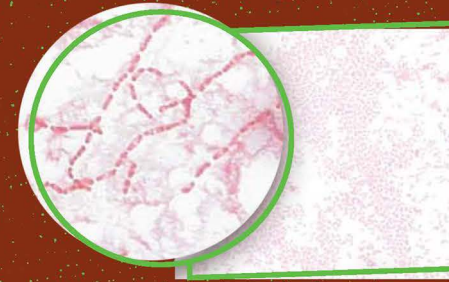
- Large, gram positive, spore forming bacilli
- Non-hemolytic
- Non-motile
- Sticky, adheres to agar surface
- Catalase positive



TULAREMIA

Francisella Tularensis

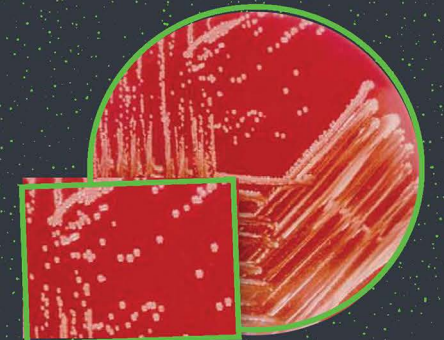
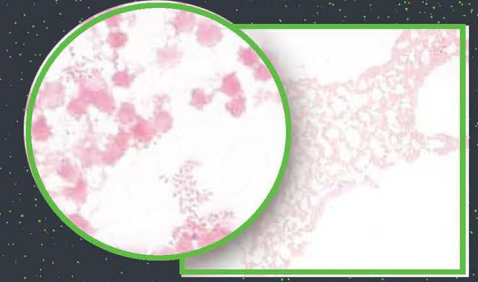
- Poorly staining, tiny gram negative coccobacilli
- Slow growing, requires cysteine
- Oxidase negative
- Urea negative
- Nitrate negative



PLAGUE

Yersinia Pestis

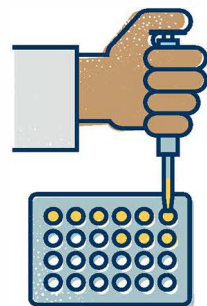
- Bipolar, "safety-pin" gram negative bacilli
- Slow growing
- Lactose negative
- Oxidase negative
- Urea negative



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)

Minnesota Department of Health, Public Health Laboratory Biological Terrorism Poster

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