*Bacillus Anthracis*

Identification Flowchart

*Bacillus anthracis* is ruled out. Continue with routine identification.

Major characteristics of *Bacillus anthracis*:

**Gram stain morphology:** Large, Gram-positive rods. Spores may be found in cultures grown in 5% CO2 but not usually in clinical samples

**Colony morphology:** Ground glass appearance, no hemolysis or pigment on BAP

*Perform all work in a biosafety cabinet using BSL-3 precautions.*

**Yes**

Catalase positive?

**No**

**Yes**

Beta hemolytic?

**Yes**

**No**

*Bacillus anthracis* is ruled out. Continue with routine identification.

Motile?

**Yes**

**No**

*Bacillus anthracis* is ruled out. Continue with routine identification.

*Bacillus anthracis* is not ruled out.

Call the LRN Reference Level Laboratory and send suspected agent.

**Report:** Possible *Bacillus anthracis* submitted to LRN Reference Laboratory.