**Bacillus anthracis**

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, non-pigmented, gamma hemolytic (no hemolysis) on BAP
No growth on MAC (or EMB)

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Gamma hemolytic (no hemolysis)?

Yes

Catalase positive?

Positive

Non-motile?

No

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

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No

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*Call the North Dakota Department of Health and send the suspected agent*

**Report:** Possible *Bacillus anthracis* submitted to NDPHL for confirmatory testing

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https://www.asm.org/Articles/Policy/Laboratory-Response-Network-(LRN)-Sentinel-Level-C