

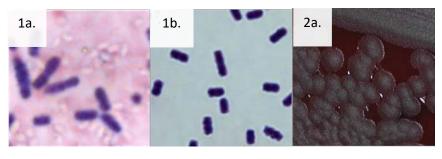
## Bacillus spp. ID Chart

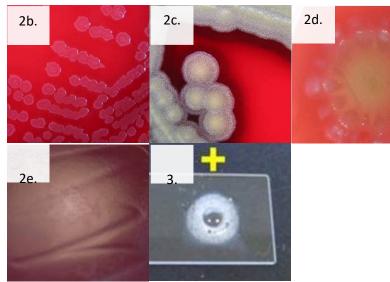
## Summary

Major pathogen: *Bacillus anthracis*. Other species only in immunocompromised patients and usually isolated from several blood cultures

## <u>Characteristics of *Bacillus*</u> <u>spp.</u>

- a and b- Regular large Gram positive rods and spores (do not stain)
- a hemolytic, b non-hemolytic, c ground glass, d large spreading, e no growth on MacConkey
- 3. Catalase (+)





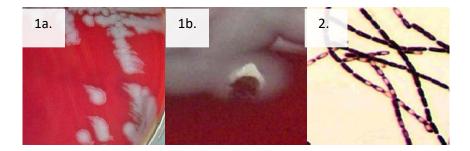
## **Bacillus anthracis**

Possible *Bacillus anthracis* 

- -Very fast growing
- -Non-motile
- a- Medusa head or comma shaped colonies and nonhemolytic
  b- Colony sticks together

(tenacious colonies)

2. *B. anthracis* from broth – central spores "string of pearls"



This job aid is a component of the free, on-demand CDC training course "Biochemicals and Gram Positive Organism Identification." Find the course at <a href="https://www.cdc.gov/labtraining.">https://www.cdc.gov/labtraining.</a>