*Bacillus spp. ID Chart*

Summary

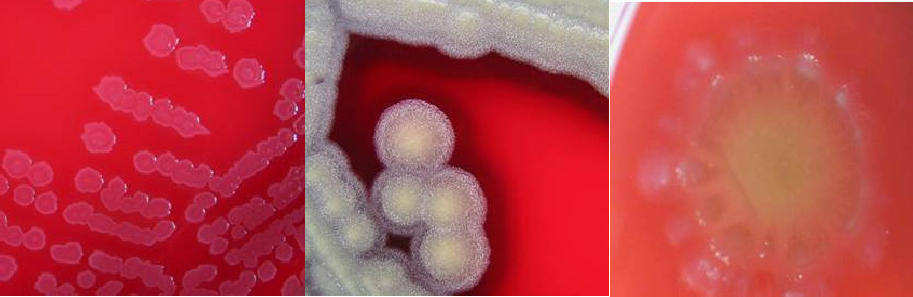
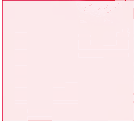
Major pathogen: *Bacillus anthracis*. Other species only in immunocompromised patients and usually isolated from several blood cultures

Characteristics of *Bacillus* spp.

1a.

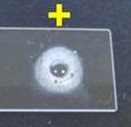
1b. 2a.

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



2b.



2c. 2d.

2e. 3.

*Bacillus anthracis*

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Possible *Bacillus anthracis*

-Very fast growing

-Non-motile

1. a- Medusa head or comma shaped colonies and non- hemolytic

b- Colony sticks together (tenacious colonies)

1. *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 <https://www.cdc.gov/labtraining.>

1a. 1b