***Brucella* spp. Characteristics Chart**

Gram stain:

* Small, faintly staining Gram-negative coccobacilli (0.4 x 0.8μm)

Colony morphology:

* Light “dust” of growth after 24h
* Punctate on Sheep Blood agar at 48h
* Smooth, convex, and raised with an entire edge on Chocolate and Sheep Blood agar after 48h
* Non-pigmented; non-hemolytic

Growth:

* Slow upon primary isolation; most require CO2 incubation
* No growth on MacConkey or Eosin Methylene Blue agar (infrequently, pinpoint colonies on MacConkey after extended incubation – 7 days)
* Does not satellite around S. aureus (does not require X & V factors)



Biochemicals:

* Oxidase, catalase, and urease positive

Refer Cultures to your LRN Reference Lab