



Differentiation between Biothreat agents and similar organisms

| ORGANISM | Gram Stain | SBA | MAC | CAT | OX | X&V | Grows quicker at 28 than 37°C |
|---|------------|-----|-----|--------|----|-----|-------------------------------|
| <i>Brucella spp</i> ¹ | Small CB | + | V | + | + | - | - |
| <i>Psychrobacter phenylpyruvicus</i> ² | CB | + | + | + | + | - | - |
| <i>Oligella ureolytica</i> | Small CB | + | V | + | + | - | - |
| <i>Bordetella bronchiseptica</i> | Small CB,R | + | + | + | + | - | - |
| <i>Haemophilus influenzae</i> | Small CB | - | - | + | V | + | - |
| <i>Haemophilus aphrophilus</i> | Small CB,R | + | -/+ | + | - | - | - |
| <i>Francisella tularensis</i> ³ | Minute CB | +/- | - | W or - | - | - | - |
| <i>Yersinia pestis</i> | R | + | + | + | - | N/A | + |
| <i>Acinetobacter spp.</i> | CB | + | + | + | V | - | - |

CB= Coccobacilli; R=Rods; W= Weak

¹ *Brucella* stains faintly on Gram stain; ² *Psychrobacter phenylpyruvicus* stains more intensely

³ *Francisella tularensis*: requires Cysteine; Grows better on Chocolate Agar, Thio, CHA
May be recovered initially on blood agar, but cannot grow on BA on subculture