**Differentiation between Biothreat agents and similar organisms**

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