



## 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> <sup>1</sup>	Small CB	+	V	+	+	-	-
<i>Psychrobacter phenylpyruvicus</i> <sup>2</sup>	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> <sup>3</sup>	Minute CB	+/-	-	W or -	-	-	-
<i>Yersinia pestis</i>	R	+	+	+	-	N/A	+
<i>Acinetobacter spp.</i>	CB	+	+	+	V	-	-

CB= Coccobacilli; R=Rods; W= Weak

<sup>1</sup> *Brucella* stains faintly on Gram stain; <sup>2</sup> *Psychrobacter phenylpyruvicus* stains more intensely

<sup>3</sup> *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