

TABLE 5
PRESUMPTIVE *BRUCELLA* SPP
IDENTIFICATION AND SIMILAR ORGANISMS

TEST	<i>Brucella</i> <i>spp.</i>	<i>Bordetella</i> <i>bronchiseptica</i>	<i>Acinetobacter</i> <i>spp.</i>	<i>Psychrobacter</i> <i>phenylpyruvicus</i> ¹	<i>Oligella</i> <i>ureolytica</i>	<i>Haemophilus</i> <i>influenzae</i>
Oxidase	+ ^{2,3}	+	-	+	+	V
Motility	-	+	-	-	V	-
Ureahydrolysis	+	+	V	+	+	V
Nitrate Reduction	+	+	-	V	+	+
Growth BAP ⁴	+	+	+	+	+	-
Cellular morphology	tiny ccb ⁵ stains faint	small ccb, rods	broad ccb	broad ccb	tiny ccb	small ccb
Specimen source	blood, bone marrow	respiratory tract	various sites	various sites	urinary tract	mucous membranes
XorV factor requirement	-	-	-	-	-	+

1. Formerly *Moraxella phenylpyruvica*

2. Oxidase: *B. abortus*, *B. melitensis*, and *B. suis* are all ≥95%+; *B. canis* is 72%+

3. (+) = ≥90% positive; (-) = ≤10% positive; V, variable = 11-89% positive

4. BAP = Blood Agar Plate

5. ccb = coccobacillus