

Table2 . Lab 1 Enterobacteriaceae: Biochemical Identification. Report Data Sheet -Record numerical values in the appropriate cells. Record total numerical value. Record bacteria choices at bottom of sheet.

Genera	arabinose	esculin	inositol	lactose	sorbitol	sucrose	citrate	MR	VP	ADC	gelatin	H ₂ S	indole	LDC	ODC	urease	phenyl- alanine	motility	TOTAL NUMERICAL VALUE	
<i>Your unknown bacterium results^a</i>																				NA
<i>Escherichia coli</i>																				
<i>Edwardsiella tarda</i>																				
<i>Citrobacter freundii</i>																				
<i>Citrobacter intermedius biotype a</i>																				
<i>Citrobacter intermedius biotype b</i>																				
<i>Salmonella subgenus I</i>																				
<i>Salmonella subgenus II</i>																				
<i>Salmonella subgenus III</i>																				
<i>Salmonella subgenus IV</i>																				
<i>Shigella dysenteriae</i>																				
<i>Shigella flexneri</i>																				
<i>Shigella boydii</i>																				
<i>Shigella sonnei</i>																				
<i>Klebsiella pneumoniae</i>																				
<i>Klebsiella ozaenae</i>																				
<i>Klebsiella rhinoscleromatis</i>																				
<i>Enterobacter cloacae</i>																				
<i>Enterobacter aerogenes</i>																				
<i>Hafnia alvei</i>																				
<i>Serratia marcescens</i>																				
<i>Proteus vulgaris</i>																				
<i>Proteus mirabilis</i>																				
<i>Yersinia pestis</i>																				
<i>Yersinia pseudotuberculosis</i>																				
<i>Yersinia enterocolitica</i>																				

ODC, ornithine decarboxylase; LDC, lysine decarboxylase; ADC, arginine (arginine decarboxylase)

Agree = +1.0, disagree = -1.0, d or (d) = +0.5, +/- = +0.5.

^a record as + (positive), - (negative), +/- (cannot determine)

For unknown number _____ the bacterium (first choice) is _____.

The second choice is _____.