

Table 4 Biochemical tests of different bacteria isolated from different stations in three rivers in Al-Qurna city

Bacterial Culture Plate (BCP)	Gram staining	Motility	Shape	Indole	Methyl Red	VP	Citrate	Urease	TSI	Catalase	Oxidase	Carbohydrate Fermentation			Nitrate	Identification of Bacteria
												G	F	S		
1	-	-	Rod	+	+	+	+	+	+	+	+	+	+	+	+	<i>Escherichia coli</i>
2	+	+	cocci	+	-	-	+	-	+	-	-	+	-	+	-	<i>Enterobacter aerogens</i>
3	-	+	Rod	-	-	-	+	-	+	+	+	-	+	+	±	<i>Pseudomonas aeruginosa</i>
4	+	+	cocci	-	-	+	+	-	-	+	+	+	+	+	-	<i>Enterococcus pseudo avium</i>

Note: VP = Voges Proskauer Test; TSI = Triple Sugar Iron Test; G = Glucose Test; F = Fructose Test; S = Sucrose Test; + = Positive; - = Negative

