

Bacteria	Gram Stain	SUGAR FERMENTATION		IMVIC	IMVIC	IMVIC	IMVIC	IMVIC	IMVIC									
		Lactose	Glucose	Indole	MR	VP	Citrate	H2S	Motile(SIM)	TSI slant/butt	Litmus Milk	Starch	Casein	Gelatin	Catalase	Oxidase	Nitrate	Urease
E. Coli	G- ROD	+/acid	+/acid	+	+	-	-	-	+	Acid/acid	acid/clot	-	-	-	+	-	+	-
E. aerogenes	G- ROD	+/acid	+/acid	-	-	+	+	-	+	acid/acid	acid	-	-	-	+	-	+	-
P. vulgaris	G- ROD	+/-	+/acid	+	+	-	-	+	-	alkaline/acid	alkaline	-	+	-	+	-	+	+
P. aeruginosa	G- ROD	-/alk	-/alk	-	-	-	+	-	+	alk/alk	digestion	-	+	+	+	+/-	+	-
S. Marcescens	G- ROD	-/alk	+/acid	-	-	+	+	-	+	alkaline/acid	reduction	-	+	+	+	-	+	-
S. aureus	G+ COCCI	+/acid	+/acid	-	+	-	-	-	-	acid/acid	acid	-	+	+	+	-	+	-
S. epidermidis	G+ COCCI	+/-	+/acid	-	-	-	-	-	-	alk/acid	alkaline	-	+	-	+	-	+/-	-
M. luteus	G+ COCCI	-/alk	+/-	-	-	-	-	-	-	alk/alk	alkaline	-	+/-	+/-	+	+	+	+ (weak)
E. faecalis	G+ COCCI	+/acid	+/acid	-	+	-	-	-	+	alk/acid	alkaline	+	+	+	+	-	+	-
B. Subtilis	G+ ROD	-/alk	+/acid	-	-	+/-	+	-	+	alk/acid	alkaline	+	+	+	+	-	+	-