

Differentiation of Enterobacteriaceae by Hy-Enterotest at 35±2°C for 18 - 24 h.

Combined Medium		Citrobacter freundii	Edwardsiella divergens	Edwardsiella tarda	Enterobacter aerogenes	Enterobacter agglomerans	Escherichia coli	Escherichia alvei	Klebsiella pneumoniae	Klebsiella oxytoca	Morganella morganii	Proteus mirabilis	Proteus vulgaris	Providencia alcalifaciens	Providencia rettgeri	Providencia stuartii	Salmonella choleraesuis	Salmonella most serotypes	Salmonella typhi	Salmonella paratyphi A	Serratia marcescens	Serratia liquefaciens	Serratia rubideau	Shigella O groups A,B,C	Shigella sonnei	Yersinia enterocolitica	Yersinia pseudotuberculosis	
Stopper	Indol	-or+	+	+	-	-or+	-	-	-	+	+	-	+	+	+	+	-	-	-	-	-	-	-	-	+	-	-	-
Slant	ONPG	+	+	-	+	d	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	d	+	+	+	-or+	-
Upper Layer	Glucose	AG	AG	AG	AG	A or AG	AG	AG	AG	AG	AG or A	AG	AG or A	AG	A or AG	A	AG	AG	A	AG	AG or A	AG or A	A or AG	A	A	A	A	A
	H ₂ S	+	-	+	-	-	-	-	-	-	-	+	+	-	-	-	+	+	(+)	-	-	-	-	-	-	-	-	-
Lower Layer	Motility	+	+	+	+	+	+	+	-	-	-or+	-or+	-or+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	Urea	-	-	-	-	-or+	-or+	-	-or+	-or+	+	+	+	-	+	+	-	-	-	-	-	-	-	-	-	-	+	+

+ Positive in one day
 (+) Positive weekly
 - Negative
 d. Different
 When + or - most organisms are +
 When - or + most organisms are -
 A - Acid
 AG - Acid with gas
 * Motility observed at 25°C
 * Urease activity masks glucose fermentation.
 For Yersinia the color is less red than for Proteus.

