

CERTIFICATE OF ANALYSIS

QA/F/01 Rev no. 03

PRODUCT :	Kligler iron agar
PRODUCT CODE NO.:	B1089I

QUALITY CONTROL TESTS : DEHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
COLOR	Light Pink
APPEARANCE	Homogenous free flowing powder

QUALITY CONTROL TESTS : REHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
pH(post autoclaving/heating)	7.4+/-0.2
COLOR (post autoclaving/heating)	Reddish orange
CLARITY (post autoclaving/heating)	Clear to slightly opalescent

QUALITY CONTROL TESTS : MICROBIOLOGICAL

CULTURAL RESPONSE:

Cultural characteristics observed after 24-48 hrs at 35-37°C.

Organism Description	INOCULUM(C FU)	GROWTH	SLANT	BUTT	GAS	H2S
Citrobacter freundii(8090)	50-100	luxuriant	acidic reaction,yellowing of the medium	acidic reaction,yellow wing of the medium	positive reaction	positive reaction, blackening of medium
Enterobacter aerogenes (13047)	50-100	luxuriant	acidic reaction,yellowing of the medium	acidic reaction,yellow wing of the medium	positive reaction	negative reaction,no blackening of medium
Klebsiella pneumoniae (13883)	50-100	luxuriant	acidic reaction,yellowing of the medium	acidic reaction,yellow wing of the medium	positive reaction	negative reaction,no blackening of medium
Proteus vulgaris (13315)	50-100	luxuriant	alkaline reaction, red colour of the medium	acidic reaction,yellow wing of the medium	negative reaction	positive reaction, blackening of medium
Sasimonella paratyphi A (9150)	50-100	luxuriant	alkaline reaction, red colour of the medium	acidic reaction,yellow wing of the medium	positive reaction	negative reaction,no blackening of medium
Salmonella schottmuelleri (10719)	50-100	luxuriant	alkaline reaction, red colour of the medium	acidic reaction,yellow wing of the medium	positive reaction	positive reaction, blackening of medium

Salmonella typhi (6539)	50-100	luxuriant	alkaline reaction, red colour of the medium	acidic reaction,yellowing of the medium	negative reaction	positive reaction, blackening of medium
Salmonella enteritidis (13076)	50-100	luxuriant	alkaline reaction, red colour of the medium	acidic reaction,yellowing of the medium	positive reaction	positive reaction, blackening of medium
Escherichia coli (25922)	50-100	luxuriant	acidic reaction,yellowing of the medium	acidic reaction,yellowing of the medium	positive reaction	negative reaction,no blackening of medium
Shigella flexneri (12022)	50-100	luxuriant	alkaline reaction, red colour of the medium	acidic reaction,yellowing of the medium	negative reaction	negative reaction,no blackening of medium
Pseudomonas aeruginosa (27853)	50-100	luxuriant	alkaline reaction, red colour of the medium	alkaline reaction, red colour of the medium	negative reaction	negative reaction,no blackening of medium
Yersinia enterocolitica (27729)	50-100	luxuriant	alkaline reaction, red colour of the medium	acidic reaction,yellowing of the medium	variable reaction	negative reaction,no blackening of medium
Enterobacter cloacae (13047)	50-100	luxuriant	acidic reaction,yellowing of the medium	acidic reaction,yellowing of the medium	positive reaction	negative reaction,no blackening of medium