

CERTIFICATE OF ANALYSIS

QA/F/01 Rev no. 03

<b>PRODUCT :</b>	Triple sugar iron agar
<b>PRODUCT CODE NO.:</b>	B1270

QUALITY CONTROL TESTS : DEHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
<b>COLOR</b>	Light Pink
<b>APPEARANCE</b>	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)	Pinkish red
CLARITY (post autoclaving/heating)	Clear to slightly opalescent

QUALITY CONTROL TESTS : MICROBIOLOGICAL

CULTURAL RESPONSE:

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.

Organism Description	Inoculum(CFU )	Growth	Slant	Butt	Gas	H2S	
Citrobacter freundii ATCC8090	[50-100]	[luxuriant]	[Acidic reaction, yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction ]	[positive, blackening of medium ]	
Enterobacter aerogenes ATCC 13048	[50 -100]	[luxuriant]	[Acidic reaction, yellowing of the medium ]	[Acidic reaction, yellowing of the medium]	[positive reaction ]	[negative, no blackening of medium ]	
Escherichia coli ATCC 25922	[50 -100]	[luxuriant]	[Acidic reaction, yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[negative, no blackening of medium ]	
Klebsiella pneumoniae ATCC 13883	[50-100]	[luxuriant]	[Acidic reaction ,yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[negative, no blackening of medium]	
Proteus vulgaris ATCC 13315	[50-100]	[luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction, yellowing of the medium]	[negative reaction ]	[positive, blackening of medium ]	
Salmonella Paratyphi AATCC 9150	[50-100]	[luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction ]	[negative, no blackening of medium]	

Salmonella typhi ATCC 6539	[50-100]	[luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction, yellowing of the medium]	[negative reaction]	[positive, blackening of medium]
Salmonella Typhimurium ATCC 14028	[50-100]	[luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[positive, blackening of medium]
Shigella flexneri ATCC 12022	[50-100]	[luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction, yellowing of the medium]	[negative reaction]	[negative, no blackening of medium]
Escherichia coli ATCC 8739	[50-100]	[luxuriant]	[Acidic reaction, yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[negative, no blackening of medium]
Escherichia coli ATCC 8739	[50-100]	[luxuriant]	[Acidic reaction, yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[negative, no blackening of medium]
Escherichia coli NCTC 9002	[50-100]	[luxuriant]	[Acidic reaction, yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[negative, no blackening of medium]
Klebsiella pneumoniae ATCC 10031	[50-100]	[luxuriant]	[Acidic reaction, yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[negative, no blackening of medium ]