

## CERTIFICATE OF ANALYSIS

QA/F/01 Rev no. 03

<b>PRODUCT :</b>	Triple sugar iron agar
<b>PRODUCT CODE NO.:</b>	B1407

### QUALITY CONTROL TESTS : DEHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
<b>COLOR</b>	Light yellow to 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	H <sub>2</sub> S
Citrobacter freundii ATCC 8090	[[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 ATCC 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,yello wing of the medium]	[negative reaction]	[positive,black ening of medium ]
Salmonella Typhimurium ATCC 14028	[[50-100]]	[Luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction,yello wing of the medium]	[positive reaction ]	[positive,black ening of medium ]
Shigella flexneri ATCC 12022	[[50-100]]	[Luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction,yello wing of the medium]	[negative reaction ]	[negative, no blackening of medium]
Edwrdsiella	[[50-100]]	[Luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction,yello wing of the medium]	[positive reaction ]	[positive,black ening of medium ]
Serratia	[[50-100]]	[Luxuriant]	[Alkaline reaction, red colour of the medium]	[Acidic reaction,yello wing of the medium]	[negative reaction ]	[negative, no blackening of medium]