

BIOMARK LABORATORIES, INDIA

CERTIFICATE OF ANALYSIS

PRODUCT : Triple sugar iron agar

PRODUCT CODE NO.: B1116I

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)	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,yellow wing 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,yellow 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,yellow 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,yellow wing 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]

This is to certify that this lot passes and it confirms to the above-mentioned tests and specifications. The information given here is believed to be correct and accurate, however, both the information and products are offered without warranty for any particular use, other than that specified in the current Biomark literature. The results reported were obtained at the time of release.

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