

# BIOMARK LABORATORIES, INDIA

## CERTIFICATE OF ANALYSIS

**PRODUCT :** Kligler iron agar

**PRODUCT CODE NO.:** B1476

### QUALITY CONTROL TESTS : DEHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
COLOR	Light pink to light reddish 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 to Red
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 (CFU)	Growth	Slant	Butt	Gas	H2S
Enterobacter aerogenes (ATCC13047)	[50-100]	[Luxuriant]	[Acidic reaction, yellowing of the medium]	[Acidic reaction, yellowing of the medium]	[positive reaction]	[negative reaction, no blackening of medium]
Salmonella enteritidis (ATCC13076)	[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 (ATCC 25922)	[50-100]	[Luxuriant]	[acidic reaction, yellowing of the medium]	[acidic reaction, yellowing of the medium]	[positive reaction]	[negative reaction, 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 reaction, blackening of medium]
Salmonella typhi (ATCC 6539)	[50-100]	[Luxuriant]	[]	[]	[]	[]

Klebsiella pneumoniae (ATCC13883)	[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 (ATCC12022)	[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 (ATCC27853)	[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 (ATCC27729)	[50-100]	[Luxuriant]	[alkaline reaction, red colour of the medium]	[acidic reaction, yellowing of the medium]	[variable reaction]	[negative reaction, 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.

This document has been produced electronically and is valid.

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