

CERTIFICATE OF ANALYSIS

PRODUCT:	Lysine iron agar
PRODUCT CODE NO.:	B232

QUALITY CONTROL TESTS: DEHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
COLOR	Purplish cream to yellow
APPEARANCE	Homogenous free flowing powder

QUALITY CONTROL TESTS : REHYDRATED MEDIUM

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
pH(post autoclaving/heating)	6.7+/-0.2
COLOR (post autoclaving/heating)	Purple
CLARITY (post autoclaving/heating)	Clear to slightly opalescent

QUALITY CONTROL TESTS : MICROBIOLOGICAL

CULTURAL RESPONSE:

Cultural characteristics observed after 18 –24 hrs at 37°C

Organism Description	Inoculum(CFU)	Growth	Butt)	Slant	H2S
Citrobacter freundii ATCC8090	50-100	luxuriant	Acidic reaction,yellowing of the medium	Alkaline reaction,purple or no colour change	Positive reaction,blackening of medium
Escherichia coli ATCC 25922	50-100	luxuriant	Alkaline reaction,purple or no colour change	Alkaline reaction,purple or no colour change	negative reaction
Proteus mirabilis ATCC 25933	50-100	Luxuriant	Acidic reaction,yellowing of the medium	Deep red,lysine deamination	Positive reaction,blackening of medium
Salmonella Arizonae ATCC 13314	50-100	Luxuriant	Alkaline reaction,purple or no colour change	Alkaline reaction,purple or no colour change	Positive reaction,blackening of medium
Salmonella Enteritidis ATCC 13076	50-100	Luxuriant	Alkaline reaction,purple or no colour change	Alkaline reaction,purple or no colour change	Positive reaction,blackening of medium
Salmonella Typhimurium ATCC 14028	50-100	luxuriant	Alkaline reaction,purple or no colour change	Alkaline reaction,purple or no colour change	Positive reaction,blackening of medium

Shigella flexneri ATCC 12022	50-100	luxuriant	Acidic reaction, yellowing of the medium	Alkaline reaction, purple or no colour change	negative reaction	complies
---------------------------------	--------	-----------	--	--	----------------------	----------

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.

Address:- S.NO.135/1, DALVI WADI, NEAR NANDED PHATA, SINHAGAD ROAD, DHAIRI, PUNE-411041, INDIA.
Email ID:- biomarklabs@gmail.com / biomarkmktg@gmail.com, **Website:-** www.biomarklabs.com.

Rev: December 2023