

**CERTIFICATE OF ANALYSIS**

<b>PRODUCT :</b>	Moeller decarboxylase broth base
<b>PRODUCT CODE NO.:</b>	B161

**QUALITY CONTROL TESTS : DEHYDRATED MEDIUM**

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
<b>COLOR</b>	Light to medium yellow
<b>APPEARANCE</b>	Homogenous free flowing powder

**QUALITY CONTROL TESTS : REHYDRATED MEDIUM**

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
pH(post autoclaving/heating)	6.0+/-0.2
COLOR (post autoclaving/heating)	Purple
CLARITY (post autoclaving/heating)	clear solution

**QUALITY CONTROL TESTS : MICROBIOLOGICAL CULTURAL RESPONSE:**

Key: \* : Inoculated tubes are overlaid with sterile mineral oil

Cultural characteristics observed after upto 4 days at 35 – 37 °C.

Key: \* \* : Inoculated tubes are overlaid with sterile mineral oil

Organism Description	MICROORGANISM (ATCC )	INOCULUM(CFU)	LYSINE DECARBOXYLATION*	ORNITHINE DECARBOXYLATION*	ARGININE DECARBOXYLATION*
Citrobacter freundii (8090)	-	50-100	negative reaction, yellow colour	variable reaction	variable reaction
Enterobacter aerogenes (13048)	-	50-100	positive reaction, purple colour	positive reaction, purple colour	negative reaction, yellow colour
Escherichia coli (25922)	-	50-100	variable reaction	variable reaction	variable reaction
Klebsiella pneumoniae (13883 )	-	50-100	positive reaction, purple colour	negative reaction, yellow colour	negative reaction, yellow colour
Proteus mirabilis (25933)	-	50-100	negative reaction, yellow colour	positive reaction, purple colour	negative reaction, yellow colour
Proteus vulgaris (13315 )	-	50-100	negative reaction, yellow colour	negative reaction, yellow colour	negative reaction, yellow colour
Pseudomonas aeruginosa (9027)	-	50-100	negative reaction, yellow colour	negative reaction, yellow colour	positive reaction, purple colour
Salmonella paratyphi A (9150)	-	50-100	negative reaction, yellow colour	positive reaction, purple colour	delayed positive reaction/positive reaction, purple colour

Salmonella typhi ( 6539 )	-	50-100	positive reaction, purple colour	negative reaction, yellow colour	delayed positive reaction/negative reaction,yellow colour
Serratia marcescens (8100)	-	50-100	positive reaction, purple colour	positive reaction, purple colour	negative reaction, yellow colour
Shigella dysenteriae (13313 )	-	50-100	negative reaction, yellow colour	negative reaction, yellow colour	delayed positive reaction/negative reaction,yellow colour
Shigella flexneri (12022)	-	50-100	negative reaction, yellow colour	negative reaction, yellow colour	delayed positive reaction/negative reaction,yellow colour
Shigella sonnei (25931)	-	50-100	negative reaction, yellow colour	positive reaction, purple colour	variable reaction

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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