

**CERTIFICATE OF ANALYSIS**

QA/F/01 Rev no. 03

<b>PRODUCT :</b>	Decarboxylase agar base
<b>PRODUCT CODE NO.:</b>	B483

**QUALITY CONTROL TESTS : DEHYDRATED MEDIUM**

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
<b>COLOR</b>	Creamish
<b>APPEARANCE</b>	Homogenous free flowing powder

**QUALITY CONTROL TESTS : REHYDRATED MEDIUM**

PARAMETERS	SPECIFICATIONS/STANDARD VALUES
pH(post autoclaving/heating)	6.5+/-0.2
COLOR (post autoclaving/heating)	Purple
CLARITY (post autoclaving/heating)	Clear

**QUALITY CONTROL TESTS : MICROBIOLOGICAL**

**CULTURAL RESPONSE:**

Cultural characteristics observed after an incubation at 35-37°C for upto 4 days with addition of appropriate amino acids and overlaying with sterile mineral oil.

Organism Description	Inoculum (CFU)	Arginine decarboxylation	Ornithine decarboxylation	Lysine decarboxylation	
Citrobacter freundii ATCC 8090	50-100	Variable reaction	Variable reaction	Negative reaction,yellow colour	
Enterobacter aerogenes ATCC13048	50-100	Negative reaction,yellow colour	Positive reaction,purple colour.	Positive reaction,purple colour.	
Escherichia coli ATCC 25922	50-100	Variable reaction	Variable reaction	Positive reaction,purple colour.	
Klebsiella pneumoniae ATCC 13883	50-100	Negative reaction,yellow colour	Negative reaction,yellow colour	Positive reaction,purple colour.	
Proteus mirabilis ATCC 25933	50-100	Negative reaction,yellow colour	Positive reaction,purple colour.	Negative reaction,yellow colour	
Proteus vulgaris ATCC 13315	50-100	Negative reaction,yellow colour	Negative reaction,yellow colour	Negative reaction,yellow colour	
Salmonella Paratyphi A ATCC 9150	50-100	Delayed positive reaction/positive reaction, purple colour	Positive reaction ,purple colour.	Negative reaction, yellow colour	
Salmonella Typhi ATCC 6539	50-100	Delayed positive reaction/positive reaction ,purple colour	Negative reaction ,yellow colour	Positive reaction ,purple colour.	

Serratia marcescens ATCC 8100	50-100	Negative reaction, yellow colour	Positive reaction, purple colour.	Positive reaction ,purple colour.
Shigella dysenteriae ATCC 13313	50-100	Negative reaction/delayed positive reaction	Negative reaction,yellow colour	Negative reaction,yellow colour
Shigella flexneri ATCC 12022	50-100	Negative reaction/delayed positive reaction	Negative reaction,yellow colour	Negative reaction,yellow colour
Shigella sonnei ATCC 25931	50-100	Variable reaction	Positive reaction,purple colour.	Negative reaction,yellow colour
Pseudomonas aeruginosa ATCC 27853	50-100	Positive reaction,purple colour.	Negative reaction,yellow colour	Negative reaction,yellow colour