



96640

## Decarboxylase Test Medium Base (Falkow)

Part D

### Specifications

Appearance (Colour)	Yellow
Appearance (Form)	Free flowing, homogeneous powder
Solubility	9.00 gm/liter
Solubility before autoclaving (Clarity)	Clear without any precipitate
pH (25°C)	6.8 ± 0.2
Prepared Medium Appearance after autoclaving (Clarity)	Clear without any precipitate
Prepared Medium Appearance after autoclaving (Colour)	Purple
Cultural Response	Inoculate and incubate at 37°C for 4 days
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good Lysine : (±)ve Arginine : (±)ve Ornithine : (±)ve
Organism	Enterobacter aerogenes ATCC 13048
Inoculum (cfu) 10-100	Growth : Good Lysine : (+)ve Arginine : (-)ve Ornithine : (+)ve
Organism	Salmonella serotype Typhi ATCC 6539
Inoculum (cfu) 10-100	Growth : Good Lysine : (+) ve Arginine : (+)ve or (-)ve Ornithine : (+)ve
Organism	Klebsiella pneumoniae ATCC 13883
Inoculum (cfu) 10-100	Growth : Good Lysine : (+)ve Arginine : (-)ve Ornithine : (-)ve
Organism	Pseudomonas aeruginosa ATCC 27853
Inoculum (cfu) 10-100	Growth : Good Lysine : (-)ve Arginine : (+)ve Ornithine : (-)ve
Organism	Shigella flexneri ATCC 12022
Inoculum (cfu) 10-100	Growth : Good Lysine : (-)ve Arginine : (+)ve or (-)ve Ornithine : (-)ve
Key	(±)ve : variable reaction (+)ve : positive reaction,purple colour (-)ve : negative reaction,yellow colour

### Other Information

#### Applications

For the differentiation of bacteria based on their ability to decarboxylate the amino acid.

Composition	
Ingredients	gm/lt.
Peptone	5.00
Yeast extract	3.00
Dextrose	1.00
Bromocresol Purple	0.02

#### Directions

1. Add 9.00 gm powder to 1.0 liter of distilled/purified water and mix thoroughly.
2. Gently heat and bring to boiling.
3. Distribute the medium into 4 equal parts into test tubes.
4. In the first test tube no amino acid is to be added.
5. To the remaining 3 parts, add separately 3 L-amino acids, L-Lysine hydrochloride, L-Arginine hydrochloride and L-Ornithine hydrochloride to a final concentration of 0.5%.
6. Dispense in 3 -4 ml quantities in screw capped tubes.
7. Autoclave at 15 psi pressure at 121°C for 15 minutes.

Note : To avoid false alkalization at the surface of medium ;add liquid paraffin to a height of about 5mm before sterilization.

### General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 Gms	38210000 (GST 18%)
500 Gms	38210000 (GST 18%)
Type of Packing	
100 Gms	Plastic Bottle

### Available Packages

100 Gms
500 Gms

#### Disclaimer

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