

Lysine Decarboxylase Broth

TN 1154 50 g



Intended use

Used for the detection of lysine decarboxylase production by salmonellae and certain other Enterobacteriaceae.

Form

Powder

Colour

Beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

3 years

Typical composition

| Component | g/l |
|------------------------|-------|
| L-Lysine hydrochloride | 5 |
| Yeast extract | 3 |
| Glucose | 1 |
| Bromocresol purple | 0.015 |

Directions

Dissolve 9.1 g in 1 litre distilled water and fill into tubes (5 ml per tube). Autoclave at 121 °C for 15 minutes.

Final pH at 25 °C

6.8 ± 0.2

Microbiological quality control

Overlay Lysine Decarboxylase Broth with sterile paraffin.

Incubation: 22-24 hours at 36 ± 1 °C

| Test strain | Growth | Lysine decarboxylase |
|---|--------|----------------------|
| <i>Salmonella Typhimurium</i> ATCC 14028 | + | + (violet) |
| <i>Klebsiella pneumoniae</i> ATCC 13883 | + | + (violet) |
| <i>Citrobacter freundii</i> ATCC 8090 | + | - (yellow) |
| <i>Proteus mirabilis</i> ATCC 29906 | + | - (yellow) |