

EC Broth

Cat: RL100126

Specification: 10*225ml

Storage: Store at 2-25°C, avoid light

Introduction:

I. Product use:

A confirmatory test for determination of fecal coliform and Escherichia coli by multi-tube fermentation.

II. Inspection principle:

Tryptone provided carbon and nitrogen source; No. 3 bile salt inhibited Gram-positive bacteria, especially Gram-positive bacilli and Enterococcus faecalis. Lactose is a fermentable sugar; Dipotassium hydrogen phosphate and potassium dihydrogen phosphate were used as buffers. Sodium chloride was used to maintain an equilibrium osmotic pressure.

III. Composition: g/L

Tryptone: 20.0

No.3 bile salt: 1.5

Lactose: 5.0

Dipotassium hydrogen phosphate: 4.0

Potassium dihydrogen phosphate: 1.5

Sodium chloride: 5.0

pH 6.9±0.2

IV. Instructions for use: (for reference only)

Ready-to-use product: Unpacked and ready to use.

V. Quality Control:

The following quality control strains were inoculated into the test medium at 44.5±0.2°C for 48 hours, and the results are as follows:

Index	Quality control strain and number	Standard value	characteristic reaction
Growth rate	Escherichia coli CMCC(B)44102	turbidity 2	gas filling 1/3 of the tube, gas production and turbidity
Selective	Enterococcus faecalis ATCC29212	turbidity 0	clarification without gas production

VI. Note:

Operate in a clean environment to avoid contamination of the culture medium.

VII. Waste disposal:

After testing, the contaminated items are placed under high-pressure sterilization at 121°C for 30 minutes.