

Lactose bile salt fermentation medium (screw bottle)

Cat: RL100115

Specification: 40*50ml

Storage: Store at 2-25°C, avoid light

Introduction:

I. Product use:

Used for the determination of coliform, fecal coliform and Escherichia coli in food, drinking mineral water, disposable sanitary products and drugs by multi-tube fermentation method.

II. Inspection principle:

peptone provides carbon and nitrogen sources to meet the growth needs of bacteria; Bovine bile salt can inhibit the growth of Gram-positive bacteria; Lactose is a fermentable carbohydrate in the coliform group; Bromocresol purple is a pH indicator, yellow in acidic conditions and purple in alkaline conditions.

III. Composition: g/L

Peptone 20.0g

Bovine bile salt 5.0g

Lactose 10.0g

Bromocresol purple 0.01g

Distilled water 1000mL

Final pH 7.0±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 35-37°C for 24 hours, and the results are as follows:

Index	Quality control strain and number	Standard value	characteristic reaction
Growth rate	Escherichia coli ATCC25922	turbidity 2 gas filling 1/3 of the tube	producing acid and gas, and turbidity
Selective	Staphylococcus aureus ATCC6538	Turbidity 0	Clarification No 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.