

## Macconkey liquid medium (one layer of aseptic packaging)

**Cat:** RL100113

**Specification:** 40\*100ml

**Storage:** Store at 2-25°C, avoid light and keep in dry place.

### Introduction:

#### I. Product use:

For selective growth culture of Escherichia coli.

#### II. Inspection principle:

Gelatin trypsin hydrolysates provide carbon and nitrogen sources to meet the needs of bacterial growth; Bile salt can inhibit the growth of gram-positive bacteria. Lactose is a fermentable carbohydrate of coliform. Bromocresol purple is a pH indicator, yellow in acidity and purple in alkali.

#### III. Composition: g/L

Gelatin trypsin hydrolysate: 20.0

Bile salt: 5.0

Lactose: 10.0

Bromocresol violet: 0.01

Water: 1000mL

pH 7.3±0.2

#### IV. Instructions for use: (for reference only)

In a clean environment, open the package, disinfect the surface of the bottle cap with 75% alcohol, and use it after opening the cap. Please pay attention to aseptic operation.

#### V. Quality Control:

The following quality control strains were inoculated into the culture medium to be tested, and the results are as follows:

Indicator	quality control strain and number	culture condition	standard value	characteristic reaction
Growth rate	Escherichia coli CMCC(B)44102	42~44°C, 24h	comparable to control medium	Broth turbidity
Selective	Staphylococcus aureus CMCC(B)26003	42~44°C, 48h	No growth	Broth clarification

#### VI. Note:

When storing disposable culture medium in the refrigerator, it is necessary to maintain a certain distance from the condenser tube of the storage container to avoid freezing damage.

#### VII. Waste disposal:

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