

Modified EC broth (mEC+n)

Cat: RL100104

Specification: 6*225ml

Storage: Store at 2-8°C, avoid light

Introduction:

I. Product use:

Modified EC broth (mEC+n) for the enhancement culture of pathogenic E. coli O157: H7. (GB, SN).

II. Inspection principle:

Tryptone provides carbon and nitrogen sources; Sodium chloride can maintain a balanced osmotic pressure; Lactose is a fermentable sugar; Potassium hydrogen phosphate and potassium dihydrogen phosphate are buffering agents; Bile salt No. 3 and novobiocin can inhibit the growth of miscellaneous bacteria commonly found in food.

III. Composition: g/L

Tryptone 20.0g

Bile salt No. 3: 1.12g

Lactose 5.0g

Dipotassium hydrogen phosphate 4.0g

Potassium dihydrogen phosphate 1.5g

Sodium chloride 5.0g

Distilled water 1000mL

Final 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 36°C±1°C for 18-24 hours, and the results are as follows:

Index	Quality control strain and number	Standard value	Characteristic reaction
Growth rate	E.coli O157:H7 NCTC12900 + Enterococcus faecalis ATCC29212	>20cfu on CT-SMAC	The colony is colorless and the center is grayish brown
Selective	Enterococcus faecalis ATCC29212	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.