

Modified tryptone soy broth (mTSB broth)

Cat: RL100105

Specification: 6*225ml

Storage: Store at 2-8°C, avoid light

Introduction:

I. Product use:

It can be widely used in bacterial cultivation, especially for testing the disinfectant efficacy of disinfectants, determining the multi-tube fermentation method of *Bacillus cereus*, and selectively enriching hemolytic streptococcus.

II. Inspection principle:

Tryptone and vegetable peptone provide nitrogen source, vitamins and growth factors; Glucose provides carbon source; Potassium hydrogen phosphate is used as a buffer; Sodium chloride maintains a balanced osmotic pressure.

III. Composition: g/L

Tryptone 17.0g

Vegetable peptone 3.0g

Sodium chloride 5.0g

Potassium hydrogen phosphate 2.5g

Glucose 2.5g

Distilled water 1000mL

Final pH 7.3±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 culture medium to be tested, and the results are as follows:

Index	Quality control strain and number	Culture conditions	growth rate	characteristic reaction
Growth rate	Growth rate ATCC10231	28~28°C, 72 h	turbidity 2	broth turbidity
	<i>Aspergillus niger</i> ATCC16404	28~28°C, 72 h	turbidity 2	broth turbidity
	<i>Staphylococcus aureus</i> ATCC25923	35~37°C, 24h	turbidity 2	broth turbidity
	<i>Bacillus subtilis</i> ATCC6633	35~37°C, 24h	turbidity 2	broth turbidity
	<i>Pseudomonas aeruginosa</i> ATCC27853	35~37°C, 24h	turbidity 2	broth turbidity

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.