

10% NaCl Trypticase Soy Broth

Cat: RL100123

Specification: 10*225ml

Storage: Store at 2-8°C, avoid light

Introduction:

I. Product use:

Used for the determination of *Staphylococcus aureus* by multi-tube fermentation and enrichment culture.

II. Inspection principle:

Tryptone and soy peptone provide nitrogen sources, vitamins, and growth factors; Glucose provides carbon source; Potassium hydrogen phosphate is used as a buffer; Higher levels of sodium chloride provide higher osmotic pressure, inhibiting most non-staphylococcal microorganisms; Sodium pyruvate promotes bacterial growth.

III. Composition: g/L

Tryptone 17.0g

Soy peptone 3.0g

Sodium chloride 100.0g

Potassium phosphate dibasic 2.5g

Glucose 2.5g

Sodium pyruvate 10.0g

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 results of inoculating the following quality control strains into the test medium at 35-37°C for 24 hours are as follows:

Indicator	quality control strain and number	standard value	characteristic reaction
Growth rate	<i>Staphylococcus aureus</i> ATCC6538	on Baird Parker agar >20cfu	black raised colonies surrounded by a cloudy zone, with a transparent ring on the outer layer
	+ <i>Escherichia coli</i> ATCC25922		
Selective	<i>Escherichia coli</i> ATCC25922	On TSA < 200cfu	colorless colonies, no turbid zone or transparent ring around

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.