

## 10% Sodium Chloride Tryptic Soy Broth

**Cat:** RL100154

**Specification:** 10\*90ml

**Storage:** Store at 2-8°C, avoid light

### Introduction:

#### I. Product use:

10% Sodium chloride and peptone Soybean Broth for the Determination of Staphylococcus aureus by multi-tube fermentation and the cultivation of bacteria.

#### II. Inspection principle:

Tryptone and soybean peptone provide nitrogen source, vitamin and growth factor; Glucose provides carbon source; Potassium hydrogen phosphate as buffer; Higher levels of sodium chloride provide higher osmotic pressure and inhibit 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 hydrogen phosphate 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:

Index	Quality control strain and number	Standard value	characteristic reaction
Growth rate	Staphylococcus aureus ATCC6538	on Baird Parker agar >20cfu	with black raised colonies surrounded by a cloudy zone, with a transparent ring on the outer layer
	Escherichia coli ATCC25922		
Selective	Escherichia coli ATCC25922	On TSA <200 cfu	colorless colony with no turbidity zone or transparent ring around it

#### 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.