

## Shigella enrichment broth (without antibiotics)

**Cat:** RL100139

**Specification:** 10\*225ml

**Storage:** Store at 2-25°C, avoid light

### Introduction:

#### I. Product use:

For selective growth culture of Shigella.

#### II. Inspection principle:

Tryptone provided nitrogen source, glucose provided carbon source to meet the needs of bacterial growth; Sodium chloride can maintain a balanced osmotic pressure; Potassium dihydrogen phosphate and potassium dihydrogen phosphate are buffer agents; Tween 80 is a neutralizer; Neomycin can inhibit the growth of gram-positive bacteria.

#### III. Composition: g/L

Tryptone :20.0

Glucose :1.0

Sodium chloride :5.0

Potassium hydrogen phosphate :2.0

Potassium dihydrogen phosphate :2.0

TWEEN 80:1.5mL

Distilled water :1000mL

Final pH7.0±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 cultured anaerobically at 41.5°C±0.5°C for 16-20 hours. The results are as follows:

Index	Quality control strain and number	Standard value	characteristic reaction
Growth rate	Shigella flexneri CMCC51572	>20cfu on XLD agar	colorless colony
	Staphylococcus aureus ATCC6538		
Selective	Staphylococcus aureus ATCC6538	<20cfu on TSA	-

#### 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.