

## GN Enrichment Solution

**Cat:** RL100127

**Specification:** 10\*225ml

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

### Introduction:

#### I. Product use:

GN enrichment solution was used for enrichment culture of Gram-negative bacilli, especially Shigella SPP. (GB)

#### II. Inspection principle:

Tryptone provides carbon source, nitrogen source, vitamins and minerals; Glucose and mannitol provide carbohydrates; Sodium citrate and sodium deoxycholate inhibit Gram-positive bacteria, but do not affect the growth of Salmonella and Shigella; Potassium dihydrogen phosphate and dipotassium hydrogen phosphate are buffering agents; Sodium chloride maintains a balanced osmotic pressure.

#### III. Composition: g/L

Tryptone 20.0g

Glucose 1.0g

Mannitol 2.0g

Sodium citrate 5.0g

Sodium deoxycholate 0.5g

Potassium hydrogen phosphate 4.0g

Potassium dihydrogen phosphate 1.5g

Sodium chloride 5.0g

Distilled water 1000mL

Final pH 7.0±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 at 35-37°C for 24 hours, and the results are as follows:

Indicator	quality control strain and number	standard value	characteristic reaction
Growth rate	Shigella flexneri CMCC(B)51572	>20cfu on HE	colony green-blue
	+Enterococcus faecalis ATCC29212		
Selective	Enterococcus faecalis ATCC29212	< 200cfu 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.