

## Double Preston broth

**Cat:** RL100122

**Specification:** 10\*50ml

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

### Introduction:

#### I. Product use:

For selective enrichment of *Campylobacter jejuni*.

#### II. Inspection principle:

Peptone provides carbon and nitrogen sources, vitamins, and growth factors; Beef dipping powder provides carbon sources, vitamins, and growth factors; Sodium chloride maintains the osmotic pressure of bacterial balance; Sodium pyruvate, sodium metabisulfite, and ferrous sulfate provide the metal ions required for bacterial growth. Polymyxin B, rifampicin, and trimethoprim inhibit the growth of other bacteria; Cycloheximide inhibits the growth of fungi.

#### III. Composition: g/L

Beef marinade powder 10.0g

Peptone 10.0g

Sodium chloride 5.0g

Sodium pyruvate 0.25g

Sodium metabisulfite 0.25g

Ferrous sulfate 0.25g

Distilled water 1000mL

Final pH 7.2±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 and cultured under microaerobic conditions at 42±1°C for 24-48 hours. The observation results are shown in the following table:

Index	quality control strain and number	standard value	characteristic reaction
Growth rate	<i>Campylobacter jejuni</i> ATCC33291	On the modified CCD plate > 20cfu	grayish white colonies
	+ <i>Staphylococcus aureus</i> ATCC6538		
	+ <i>Escherichia coli</i> ATCC25922		
Selective	<i>Saccharomyces cerevisiae</i> ATCC9763	On Sabouraud Dextrose	-
	<i>Staphylococcus aureus</i> ATCC6538	Agar < 200cfu	-
	<i>Escherichia coli</i> ATCC25922	On TSA < 200cfu	-

#### 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.