

## Shigella Chromogenic Medium

**Product No.** ESM012

### Intended Use

Used for the selective isolation of *Shigella*.

**Specification** 64.7 g (1000mL)

**pH** 6.7 ± 0.2 (25°C)

### Additional Reagents

2 bottles

### Directions

Suspend 32.25 g of the powder in 485 mL of distilled water. Heat with frequent agitation and boil to dissolve completely. Do not autoclave. Cool to approximately 50°C.

Add 15 ml of distilled water to each bottle of additional reagent, shake well to dissolve, filter sterilize with a 0.45 or 0.22 um filter membrane. Aseptically add additional reagents, mix well and pour into sterile petri plates.

Note: The proportion can be adjusted according to required. The additional reagent can be stored in the refrigerator at 2-8 °C in the dark for 3 months after dissolved, filtered and sterilized.

### Precautions

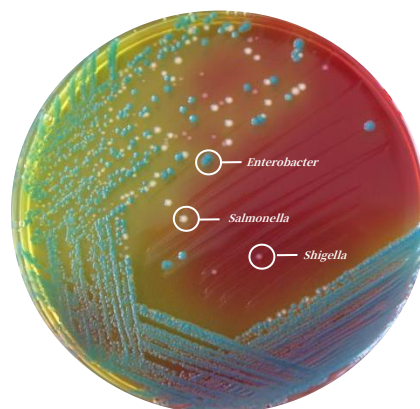
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### Procedure

Sample preparation and enrichment culture for samples to be tested as instructed in the standard reference (GB, SN, ISO, FDA, etc.), then pick the enrichment liquid and inoculate it on the prepared medium plate. Incubate plates at 36 ± 1°C in an aerobic atmosphere for 20-24 hours, or as instructed in the standard reference. Typical or suspected colonies are picked for further validation tests.

## Cultural Response

Microorganisms	Colony Characterization
<i>Shigella</i>	White colonies, 1-3mm in size, the medium around the colony turns purplish red
<i>Salmonella</i>	Yellow colonies, the medium around the colony turns yellow
<i>Enterobacter aerogenes</i>	Blue-green colonies, the medium around the colony turns yellow
<i>Escherichia coli</i>	Yellow colonies, the medium around the colony turns yellow
Others	Yellow, blue-green or other colonies, or non-growing



## Storage Conditions

Keep container tightly closed and store in a cool dry place below 30°C.

The additional reagents should be stored in the refrigerator at 2-8°C in the dark.

The plates should be stored in the refrigerator at 2-8°C for one week in the dark.

## Shelf Life

2 years.

## Related Products

Product No.	Product Name	Specification
PBE012	Shigella Chromogenic Agar Plates	20 Plates

*For laboratory use in industry or R&D purpose. Not for drug, household or other uses.*