

## mEI Agar Base (Enterococcus Chromogenic Medium)

**Product No.** ESM011

### Intended Use

Used for the selective isolation of *Enterococcus*.

**Specification** 72.2 g (1000mL)

**pH**  $7.1 \pm 0.2$  (25°C)

### Additional Reagents

No

### Directions

Suspend 7.22 g of the powder in 100 mL of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121 °C for 15 minutes. Cool to approximately 50 °C. Sterile add 0.5mL nalidixone acid solution (0.24 g powder dissolved in 5 mL distilled water, add a few drops of 0.1N sodium hydroxide), then add 0.002 g sterile TTC, mix well, and lay on a plate for use.

### Precautions

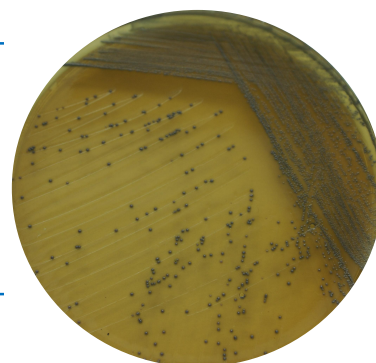
No

### Procedure

After the water sample was filtered, the filter membrane was attached to mEI agar plate and placed in an incubator at  $41 \pm 0.5^\circ\text{C}$  for  $24 \pm 1\text{h}$ . The results were observed, and typical or suspicious colonies were picked for further validation tests. Sample preparation also to be tested as instructed in the standard reference (GB, SN, ISO, FDA, etc.), select 2 to 3 suitable dilution, smear or stripe inoculation on the prepared medium plate, Incubate plates at  $41 \pm 0.5^\circ\text{C}$  for  $24\text{h} \pm 1\text{h}$  observation results, and select typical or suspicious colonies were picked for further validation tests.

## Cultural Response

| Microorganisms  | Colony color                                      |
|---|---|
| <i>Enterococcus</i><br>( <i>Enterococcus faecium</i> ,<br><i>Enterococcus urinae</i> ,<br><i>Enterococcus faecalis</i> , etc) | The blue colonies surrounded by<br>an opaque halo |
| Others  | Colorless or non-growing                          |



## Storage Conditions

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

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

## Shelf Life

2 years.

## Related Products

No

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