

**MM0146**

## Endo LES Agar Base

### **Use and description:**

Medium used for detection of coliform in water sample with membrane filtration method.

Basic Fuchsin is potential carcinogen! Avoid inhalation and contact with skin!

### **Composition per liter:**

|                                     |         |
|-------------------------------------|---------|
| Peptones.....                       | 15.00 g |
| Agar.....                           | 12.00 g |
| Lactose.....                        | 10.00 g |
| Sodium chloride .....               | 3.70 g  |
| Dipotassium hydrogen phosphate..... | 3.30 g  |
| Potassium-di-Hphosphate.....        | 1.00 g  |
| Sodium sulphite.....                | 1.60 g  |
| Basic fuchsin.....                  | 0.80 g  |
| Lauryl sulfate.....                 | 0.05 g  |
| Yeast extract.....                  | 2.00 g  |

**Final pH of the ready to use medium:** 7.2 +/- 0.2

### **Medium preparation:**

Dissolve 49.5 grams of dehydrated culture medium in 1 liter of distilled water add 20 ml 95% ethanol to the solution. Bring to the boil until completely dissolved. **Do not autoclave the medium !**

Cool to 45-50°C, homogenize perfectly and pour into Petri dishes. Endo medium should be stored in the dark!

### **Quality specifications:**

Dehydrated medium: homogeneous, light violet fine powder.

Ready to use medium: clear, pale pink coloured.

### **Microbiological response:**

| Organism                                  | Result    | Colour    | Shine |
|---|-----------|-----------|-------|
| <i>Escherichia coli</i> ATCC 25922        | Growth    | Red       | +     |
| <i>Salmonella typhimuriums</i> ATCC 14028 | Growth    | Growth    | -     |
| <i>Staphylococcus aureus</i> ATCC 25923   | No growth | No growth | -     |

### **Storage:**

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or the color has changed from the original.