

ENDO LES AGAR

A selective and differential medium for the enumeration of coliforms by membrane filtration.

| Dehydrated media | |
|--------------------------------|--|
| Code number: | 500 g: ELA20500, 5 kg: ELA25000 |
| Packaging of 500 g: | 500 g medium base + 1 x 50 ml fuchsin solution |
| Packaging of 5 kg: | 5 kg medium base + 5 x 100 ml fuchsin solution |
| Appearance of agar base: | Yellowish, homogeneous hygroscopic powder |
| Appearance of supplement: | Deep magenta, precipitation free solution |
| pH before autoclaving (25 °C): | 7,0 – 7,4 |

Direction: Suspend **50 g** in one litre of distilled water. Add **5 ml of Endo Basic Fuchsin Solution**. Mix well and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Mix well again before pouring.

| Prepared media | |
|-----------------------|------------------------------------|
| Bottled media: | 100 ml: ELA30100, 500 ml: ELA30500 |
| Plated media: | 55 mm: ELA50055, 90 mm: ELA50090 |
| Colour: | Pale pink |
| pH (25 °C): | 7,1 – 7,3 |

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA FOR COMPLETE MEDIUM in g/l

| | |
|------------------------|-------|
| Peptones | 15,00 |
| Lactose | 10,00 |
| Sodium chloride | 3,70 |
| Sodium sulphite | 1,60 |
| Sodium deoxycholate | 0,10 |
| Sodium lauryl sulphate | 0,05 |
| Basic fuchsin | 0,50 |
| Buffers | 4,50 |
| Agar | 15,00 |

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the supplements and the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

| Test strains | Incubation temp: 37 °C | Growth | Incubation time: 24 h |
|-------------------------------|------------------------|---|-----------------------|
| <i>Escherichia coli</i> | ATCC 25922 | Good, dark red colonies with green metallic sheen | |
| <i>Salmonella typhimurium</i> | ATCC 14028 | Good, colourless colonies | |
| <i>Enterococcus faecalis</i> | ATCC 29212 | Inhibited | |

References: McCarthy et al. (1961) Water Sewage Works 108: 238.

For professional use only!