

ESCULIN AGAR

A differential medium for the differentiation of bacteria on the basis of esculin hydrolysis.

| Dehydrated media | |
|--------------------------------|---------------------------------|
| Code number: | 500 g: ESA20500, 5 kg: ESA25000 |
| Colour: | Yellowish |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 7,0 – 7,4 |

Direction: Suspend **35 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes.

| Prepared media: | |
|------------------------|-----------------------------------|
| Bottled media: | 100 ml: ESA30100 500 ml: ESA30500 |
| Tubed media: | 100 x 12 mm: ESA40003 (3 ml) |
| Colour: | Yellowish |
| pH (25 °C) | 7,1 – 7,3 |

Direction: Dispense the melted bottled media aseptically into sterile test tubes. Media in tubes are ready to use.

FORMULA in g/l

| | |
|----------------|----|
| Peptones | 18 |
| Ferric citrate | 1 |
| Esculin | 1 |
| Agar | 15 |

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 tubed 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>Enterococcus faecalis</i> ATCC 29212 | | Positive, colour change to black | |
| <i>Streptococcus pyogenes</i> ATCC 19615 | | Negative, without colour change | |

References: Blazevic and Ederer (1975) Principles of Biochemical Tests in Diag. Microbiol.

In vitro diagnostic – for professional use only!