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 and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 24 h
Enterococcus faecalis	ATCC 29212	Positive, colour change to black	
Streptococcus pyogenes	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!