

ESCULIN BROTH

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

Dehydrated media	
Code number:	500 g: ESB20500, 5 kg: ESB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,0 – 7,4

Direction: Suspend **12 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: ESB30100, 500 ml: ESB30500
Tubed media:	100 x 12 mm: ESB40003 (3 ml)
Colour:	Yellowish
pH (25 °C):	7,1 – 7,3

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

FORMULA in g/l

Peptones	10
Esculin	1
Ferric citrate	1

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
<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!