

BILE ESCULIN BROTH

A selective and differential medium for the differentiation of enterococci and Group D streptococci.

Dehydrated media	
Code number:	500 g: BEB20500, 5 kg: BEB25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 – 7,3

Direction: Suspend **43 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into final containers and sterilise by autoclaving at 105 °C for 1 minutes.

Prepared media	
Bottled media:	100 ml: BEB30100, 500 ml: BEB30500
Tubed media:	150 x 15 mm: BEB40010 (10 ml)
Colour:	Yellowish
pH (25 °C):	7,0 – 7,2

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

FORMULA in g/l

Peptones	25,5
Bacteriological bile	10,0
Sodium chloride	5,0
Sodium citrate	1,0
Ferric citrate	0,5
Esculin	1,0

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	Good, colour change to black	
<i>Escherichia coli</i>	ATCC 25922	Good, without colour change	
<i>Streptococcus pyogenes</i>	ATCC 19615	Inhibited	

References: Isenberg et al. (1970) Appl. Microbiol. 20: 433.

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