

BILE ESCULIN AGAR

A selective and differential medium for the isolation and presumptive identification of enterococci and group D streptococci.

Dehydrated media	
Code number:	500 g: BEA20500, 5 kg: BEA25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 – 7,3

Direction: Suspend **45 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: BEA30100, 500 ml: BEA30500
Plated media:	55 mm: BEA50055, 90 mm: BEA50090
Colour:	Yellowish
pH (25 °C):	7,0 – 7,2

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

FORMULA in g/l

Peptones	8,5
Bacteriological bile	20,0
Ferric citrate	0,5
Esculin	1,0
Agar	15,0

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 media protected from light at room temperature. Store 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>Enterococcus faecalis</i> ATCC 29212		Good, black colonies with black halo	
<i>Streptococcus pyogenes</i> ATCC 19615		Inhibited	

References: Swan (1954) J. Clin. Pathol. 7: 160.

In vitro diagnostic – for professional use only!