

BILE ESCULIN AZIDE AGAR

A selective and differential medium for the isolation and presumptive identification of enterococci and group D streptococci according to ISO 7899.

Dehydrated media	
Code number:	500 g: BES20500, 5 kg: BES25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 – 7,3

Direction: Suspend **55 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 105 °C for 1 minutes.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: BES30100, 500 ml: BES30500
Plated media:	55 mm: BES50055, 90 mm: BES50090
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

Tryptone	17,00
Peptone	3,00
Yeast extract	5,00
Bacteriological bile	10,00
Sodium chloride	5,00
Ferric ammonium citrate	0,50
Sodium azide	0,15
Esculin	1,00
Agar	13,35

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 19433	Good, black colour in the surrounding medium	
<i>Enterococcus faecium</i>	ATCC 6057	Good, black colour in the surrounding medium	
<i>Escherichia coli</i>	ATCC 25922	Inhibited, no black colouration	
<i>Aerococcus viridans</i>	ATCC 11563	Inhibited, no black colouration	

References: Swan (1954) J. Clin. Pathol. 7: 160.
ISO 7899-2:2000

In vitro diagnostic – for professional use only!