

Bile Esculin Azide-Agar

M&S item numbers: 5250 (25 x 20 ml) and 5251 (4 x 250 ml)

Application range: Bile Esculin Azide-Agar is used for the detection and enumeration of intestinal Enterococci in drinking water, waste water and other samples. The formulation complies with DIN EN ISO 7899-2:2000.

Formulation: (typical)	Tryptone	17.0 g/l
	Peptone	3.0 g/l
	Yeast extract	5.0 g/l
	Bile salts	10.0 g/l
	Sodiumchloride	5.0 g/l
	Esculin	1.0 g/l
	Ammoniumferricitrate	0.5 g/l
	Sodiumazide	0.15 g/l
	Agar	15.0 g/l
	pH 7.1 ± 0.2	
Color	beige	

Storage: Dark and dry at 4 – 8 °C

Description: Esculin is hydrolyzed by positive bacteria to dextrose and esculetin, which reacts with ferric citrate to a brown to black complex. Azide and bile salts serve as inhibitors for accompanying bacteria.

Typical growth: Incubation at 37 ± 1 °C for 24 – 48 hours

Microorganisms	Growth	Colony appearance
<i>Enterococcus faecalis</i>	very good	beige with black-brown halo
<i>Escherichia coli</i>	no	-



Pure culture of *Enterococcus faecalis* after 24 hours at 37 °C