	Document Owner Department: QC	BT-SPEC-0219
		Page 1 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BILE AESCULIN AGAR CM0888		

## BILE AESCULIN AGAR

CM0888

### Typical Formula\*

	grams per litre
Peptone	8.0
Bile salts	20.0
Ferric citrate	0.5
Aesculin	1.0
Agar	15.0

\* adjusted as required to meet performance standards

### Directions

Suspend 44.5g in 1 litre of distilled water and bring gently to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes.

### Physical Characteristics

Straw, free-flowing powder  
 Colour on reconstitution - Straw/brown  
 Moisture level - less than or equal to 7%  
 pH -  $7.1 \pm 0.2$  at 25°C  
 Clarity - clear  
 Gel strength - firm, comparable to 15g/litre of agar

### Microbiological Tests using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

### Reactions after incubation at 37°C for 18-24 hours

Medium is challenged with 10-100 colony-forming units

*Enterococcus faecalis* ATCC®19433 0.25-1mm brown colonies, aesculin hydrolysis

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.


Medium is challenged with 1E+04 to 1E+06 colony-forming units

*Enterococcus faecalis* ATCC®29212 0.25-1mm brown colonies, aesculin hydrolysis  
*Enterococcus faecium* NCTC7171 0.25-1mm brown colonies, aesculin hydrolysis

<b>ThermoFisher</b> S C I E N T I F I C	Document Owner Department: QC	BT-SPEC-0219 Page 2 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>BILE AESCULIN AGAR CM0888</b>		

<i>Enterococcus durans</i>	ATCC®19432	0.25-1mm brown colonies, aesculin hydrolysis
<i>Streptococcus bovis</i>	ATCC®27960	0.25-1mm brown colonies, aesculin hydrolysis
<i>Enterobacter aerogenes</i>	ATCC®13048	1-2mm brown colonies, aesculin hydrolysis
<i>Streptococcus pyogenes</i>	ATCC®19615	No growth

For positive test strains inoculated using diminishing sweep technique, a satisfactory result is represented by growth in accordance with the specification. Negative strains are inhibited.

	Document Owner Department: QC	BT-SPEC-0219
		Page 3 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BILE AESCULIN AGAR CM0888		

## Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. Addition of control media + result criteria.	Change control	BT-CC-1924