



## TECHNICAL DATA SHEET

**DESCRIPTION** AESCULIN BILE AGAR, 90MM PLATES  
**SGL PRODUCT CODE** 7050

Aesculin bile agar (or esculin bile agar) is a medium used for the selective isolation and differentiation of group D Streptococci from foods.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Beef extract	11.0 g
Enzymatic digest of gelatin	34.5 g
Aesculin	1.0 g
Ox bile	2.0 g
Ferric ammonium citrate	0.5 g
Agar	15.0 g
Purified water	1000 ml

\*Product may be adjusted and/or supplemented to meet performance criteria

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Opalescent, pale green to yellow gel with a blue tint
pH at 20-25°C	6.6 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for a minimum of 5 days	No growth detected
Incubation at 35-37°C for a minimum of 5 days	No growth detected
Incubation at 42-45°C for a minimum of 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Enterobacter cloacae</i> ATCC 13047 NCTC 10005 NCIMB 10101	Growth comparable to control with blackening of the medium at 35-37°C incubation after not more than 18-24 hrs
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775	Growth comparable to control with blackening of the medium at 35-37°C incubation after not more than 18-24 hrs
<i>Streptococcus pyogenes</i> ATCC 12344 NCTC 8198	No growth at 35-37°C incubation after not less than 18-24 hrs

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

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Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).