



## TECHNICAL DATA SHEET

**DESCRIPTION** MUELLER HINTON AGAR + 5% SHEEP BLOOD, DEEP FILL, 90MM PLATES

**SGL PRODUCT CODE** 7613SB

A medium used for antimicrobial susceptibility testing (disk diffusion tests) which may be used in standard procedures. The addition of 5% blood is recommended for testing haemolytic species.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Beef extract	2.0 g
Acid hydrolysed casein	17.5 g
Starch	1.5 g
Sterile sheep blood	50.0 ml
Agar	17.0 g
Purified water	1000 ml

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

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Opaque, red coloured (due to added blood) gel
pH at 20-25°C	7.3 ± 0.2

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

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Streptococcus pneumoniae</i> ATCC 49619 NCTC 12977	Chloramphenicol 10µg:21-29mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Streptococcus pneumoniae</i> ATCC 49619 NCTC 12977	Ciprofloxacin 1µg:14-21mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Streptococcus pneumoniae</i> ATCC 49619 NCTC 12977	Erythromycin 5µg:23-36mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 9144 NCTC 6571	Chloramphenicol 10µg:21-26mm zone of inhibition at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 9144 NCTC 6571	Erythromycin 5µg:25-29mm zone of inhibition at 35-37°C incubation after not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).