



TECHNICAL DATA SHEET

DESCRIPTION MUELLER HINTON AGAR, 90MM PLATES
SGL PRODUCT CODE 8077

A medium used for antimicrobial susceptibility testing (disk diffusion tests) which may be used in standard procedures (e.g., FDA, WHO & NCCLS).

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Beef extract	2.0 g
Acid hydrolysed casein	17.5 g
Starch	1.5 g
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	Clear, straw coloured 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>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545	Good growth compared to control at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	Good growth compared to control at 35-37°C incubation after not more than 1 day
<i>Streptococcus pyogenes</i> ATCC 12344 NCTC 8198	Good growth compared to control; colonies may be small at 35-37°C incubation after not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

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).

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