



TECHNICAL DATA SHEET

DESCRIPTION THERMOSTABLE NUCLEASE AGAR, 90MM PLATES
SGL PRODUCT CODE 7606

A medium used for the rapid identification of *Staphylococcus aureus*. The test is as reliable as the coagulase test and is less time consuming to perform.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Tris buffer	6.056 g
DNA type 3	0.3 g
Sodium chloride	10.0 g
Calcium chloride	0.00219 g
Toluidine blue	0.0917 g
Noble agar	10.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Blue coloured gel

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	No thermostable nuclease reaction at 35-37°C incubation after not more than 4 hours
<i>Staphylococcus aureus</i> ATCC 6538P NCTC 7447	Pink zone thermostable nuclease reaction at 35-37°C incubation after not more than 4 hours
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	Pink zone thermostable nuclease reaction at 35-37°C incubation after not more than 4 hours
<i>Staphylococcus epidermidis</i> ATCC 14990 NCTC 11047	No thermostable nuclease reaction at 35-37°C incubation after not more than 4 hours
Methicillin resistant <i>Staphylococcus aureus</i> NCTC 10442	Pink zone thermostable nuclease reaction at 35-37°C incubation after not more than 4 hours

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 in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).