



TECHNICAL DATA SHEET

DESCRIPTION COLUMBIA AGAR + 5% SHEEP BLOOD, 90MM PLATES
SGL PRODUCT CODE 8029

A highly nutritious medium used for the isolation and cultivation of both fastidious and non-fastidious microorganisms. The medium is particularly useful for visualising haemolytic reactions of Staphylococci and Streptococci.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue & casein	23.0
Starch	1.0
Sodium chloride	5.0
Sterile defibrinated sheep blood	50.0 ml
Agar	12.0 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, blood red 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, with beta haemolysis at 35-37°C incubation after not more than 1 day
<i>Streptococcus pneumoniae</i> ATCC 6301	Good growth compared to control, with alpha haemolysis 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).