



TECHNICAL DATA SHEET

DESCRIPTION PLATE COUNT AGAR, 90MM PLATES
SGL PRODUCT CODE 9096

A medium designed to recover a wide range of micro-organisms typically from water, food and dairy products.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	5.0 g
Yeast extract	2.5 g
Dextrose	1.0 g
Agar	9.0 – 18.0 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, pale straw coloured agar
pH at 20-25°C	7.0 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°C for a minimum of 5 days	No growth detected
Incubation at 35-37°C for a minimum of 5 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Bacillus subtilis</i> ATCC 6633 NMT 100 CFU inoculum	≥70% CFU recovery compared to control at 29-31°C incubation after 69–75 hours
<i>Escherichia coli</i> ATCC 8739 NMT 100 CFU inoculum	≥70% CFU recovery compared to control at 29-31°C incubation after 69–75 hours
<i>Pseudomonas aeruginosa</i> ATCC 27853 NMT 100 CFU inoculum	≥70% CFU recovery compared to control at 29-31°C incubation after 69–75 hours
<i>Staphylococcus aureus</i> ATCC 25923 NMT 100 CFU inoculum	≥70% CFU recovery compared to control at 29-31°C incubation after 69–75 hours

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).