



## TECHNICAL DATA SHEET

**DESCRIPTION** PLATE COUNT AGAR, CONTACT PLATES,  
**SGL PRODUCT CODE** 8315

A medium designed to recover a wide range of micro-organisms typically from water, food, dairy products and other sample types. The 55mm diameter contact plates are intended for environmental sampling. The medium is the APHA Standard Methods formulation and complies with ISO 17410, ISO 4833 and FDA-BAM.

### FORMULATION

Typical product composition\*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	5.0 g
Yeast extract	2.5 g
Glucose	1.0 g
Agar	15.0 g
Purified water	1000 ml

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

### QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Translucent, pale beige coloured gel
pH at 20-25°C	7.0 ± 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>Bacillus subtilis</i> ATCC 6633 NCTC 10400 NMT 100 CFU inoculum	>70% CFU recovery compared to control at 29-31°C incubation after not more than 3 days
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 NMT 100 CFU inoculum	>70% CFU recovery compared to control at 29-31°C incubation after not more than 3 days
<i>Staphylococcus aureus</i> ATCC 25923 NCTC 12981 NMT 100 CFU inoculum	>70% CFU recovery compared to control at 29-31°C incubation after not more than 3 days

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).