



TECHNICAL DATA SHEET

DESCRIPTION PSEUDOMONAS CN AGAR, 55MM PLATES
SGL PRODUCT CODE 8383CN

A medium designed for the selective growth and isolation of *Pseudomonas aeruginosa*. The medium complies with the requirements of EN ISO 16266 for the detection and enumeration of *Pseudomonas aeruginosa* in water using the membrane filtration technique and with ISO 11133.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of gelatin	16.0 g
Enzymatic digest of casein	10.0 g
Potassium sulphate	10.0 g
Magnesium chloride	1.4 g
Glycerol	10.0 ml
Cetrimide	0.1 g
Nalidixic acid	0.015 g
Agar	11.0 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 gel, may contain traces of whitish precipitate
pH at 20-25°C	7.1 ± 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
Incubation at 42-45°C for a minimum of 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 34-38°C incubation after not more than 2 days. Pigmented colonies (blue-green under UV light)
<i>Pseudomonas aeruginosa</i> ATCC 10145 NCIB 8295 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 34-38°C incubation after not more than 2 days. Pigmented colonies (blue-green under UV light)
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 NLT 1000 CFU inoculum	Total inhibition at 34-38°C incubation after not more than 2 days
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	Total inhibition at 34-38°C incubation after not more than 2 days
<i>Burkholderia cepacia</i> ATCC NCTC 10743 NLT 1000 CFU inoculum	Variable growth with pigmentation at 34-38°C incubation after not more than 2 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).