



TECHNICAL DATA SHEET

DESCRIPTION LISTERIA SELECTIVE AGAR (PALCAM), 90MM PLATES
SGL PRODUCT CODE 8058

Palcam agar is a highly selective medium used for the enumeration of *Listeria monocytogenes* from foods, faecal and other biological samples and heavily contaminated environmental samples. Palcam is recommended for the APHA, AFNOR, IDF and AOAC methods for the detection of *Listeria monocytogenes*.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	23.0 g
Sodium chloride	5.0 g
Corn starch	1.0 g
Yeast extract	3.0 g
Glucose	0.5 g
Mannitol	10.0 g
Aesculin	0.8 g
Lithium chloride	15.0 g
Ferric ammonium citrate	0.5 g
Phenol red	0.08 g
Polymyxin B	0.01 g
Ceftazidime	0.02 g
Acriflavine	0.005 g
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	Clear, red coloured gel
pH at 20-25°C	7.2 ± 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>Listeria monocytogenes</i> ATCC 19111 NCTC 13627 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, grey to black colonies with black halo at 35-37°C incubation after not more than 1 day
<i>Listeria monocytogenes</i> ATCC 13932 NCTC 10527 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, grey to black colonies with black halo at 35-37°C incubation after not more than 1 day
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	Total inhibition at 35-37°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 25922 NCTC 12241 NLT 1000 CFU inoculum	Total inhibition 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).