



TECHNICAL DATA SHEET

DESCRIPTION CHROMOGENIC LISTERIA SELECTIVE AGAR, 90MM PLATES
SGL PRODUCT CODE 8126

A medium for the selective isolation and identification of *Listeria monocytogenes* typically from food samples and based on the Ottaviani and Agosti Listeria agar detailed in ISO 11290-1:2017.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	18.0 g
Enzymatic digest of casein	6.0 g
Yeast extract	10.0 g
Lithium chloride	10.0 g
Sodium chloride	5.0 g
Disodium hydrogen phosphate, anhydrous	2.5 g
Sodium pyruvate	2.0 g
Glucose	2.0 g
Magnesium glycerophosphate	1.0 g
Magnesium sulphate, anhydrous	0.5 g
5-Bromo-4-chloro-3-indolyl- β -D-glucopyranoside	0.05 g
Nalidixic acid, sodium salt	0.02 g
Ceftazidime	0.02 g
Polymyxin B	76 700 IU
Cycloheximide	0.05 g
OR	OR
Amphotericin B	0.01 g
Phosphatidylinositol aqueous solution	40 ml
Agar	12.0 – 18.0 g
Purified water	960 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear to opaque, cream to yellow coloured
pH at 20-25°C	7.2 \pm 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>Listeria monocytogenes</i> ATCC 19111	≥50% CFU recovery compared to control at 36-38°C incubation after 40-48 hours. Turquoise coloured colonies surrounded by opaque halo.
<i>Listeria monocytogenes</i> ATCC 13932	≥50% CFU recovery compared to control at 36-38°C incubation after 40-48 hours. Turquoise coloured colonies surrounded by opaque halo.
<i>Listeria innocua</i> ATCC 33090	≥50% CFU recovery compared to control at 36-38°C incubation after 40-48 hours. Turquoise coloured colonies without the opaque halo
<i>Escherichia coli</i> ATCC 25922	Total inhibition at 36-38°C incubation after 40-48 hours
<i>Enterococcus faecalis</i> ATCC 29212	Total inhibition at 36-38°C incubation after 40-48 hours

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

IU = International 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).