

PRODUCT SPECIFICATION

OXOID LEGIONELLA SELECTIVE MEDIUM – G.V.P.C.

PO0245A

Typical Formula*

	grams per litre
Legionella CYE agar base	
Activated charcoal	2.0
Yeast extract	10.0
Agar	13.0
Additions	
α -Ketoglutarate	1.0
ACES Buffer	10.0
Potassium hydroxide	2.8
L-cysteine hydrochloride	0.4
Iron (III) pyrophosphate	0.25
Ammonia-free glycine	3.0
Cycloheximide	0.08
Vancomycin hydrochloride	0.001
Polymyxin B sulphate	80.000 IU

*adjusted as required to meet performance standards

Preparation

Suspend Legionella CYE agar base, ACES buffer, potassium hydroxide, ammonia-free glycine, and α -ketoglutarate in de-ionised water. Heat to dissolve. Sterilise at 115°C for 10 minutes. Cool and aseptically add polymyxin B sulphate, cycloheximide, vancomycin, L-cysteine hydrochloride and iron (III) pyrophosphate solutions. Allow to mix. Aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

Format

Ten 90mm plates wrapped in a single nylon film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

pH	6.9 \pm 0.1
Colour	Black
Clarity	Opaque
Fill weight	21.5 - 22.5g

Packaging and presentation

General appearance of pack and label should be satisfactory. Label data should be correct.

Contamination Check

Macroscopic examination should show no evidence of microbial growth after incubation at 20-24°C and 30-34°C for 5 days.

Microbiological Tests Using Optimum Inoculum Dilution

Results after incubation at 35-37°C (*L. anisa* for 5 days and all other organisms for 3 days).

Positive controls are tested by direct plating and membrane filtration.

Positive controls

Inoculum 50-120 colony forming units.

<i>Legionella pneumophila</i>	ATCC®33152 (WDCM 00107)	2 - 6 mm, grey-blue colonies
<i>Legionella anisa</i>	ATCC®35292 (WDCM 00106)	2 - 4 mm, grey-blue colonies

Colony counts shall be equal to or greater than 50% of the control medium (BCYE agar).

Negative controls

Inoculum 10,000 - 100,000 colony forming units

<i>Enterococcus faecalis</i>	ATCC®19433 (WDCM 00009)	Total inhibition
<i>Enterococcus faecalis</i>	ATCC®29212 (WDCM 00087)	Total inhibition
<i>Escherichia coli</i>	ATCC®8739 (WDCM 00012)	Total or partial inhibition
<i>Escherichia coli</i>	ATCC®25922 (WDCM 00013)	Total or partial inhibition

Storage conditions

Store away from the light at between 2-10°C.

Tested in accordance with ISO 11731 using the methods described in ISO 11133.
The formulation of this medium conforms to ISO 11731.

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