OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

COMPLETE UVM I BROTH CM1054

COMPLETE UVM I BROTH **CM1054**

Typical Formula*

	grams per litre
Proteose peptone	5.0
Tryptone	5.0
'Lab-Lemco' powder	5.0
Yeast extract	5.0
Sodium chloride	20.0
Di-sodium hydrogen phosphate	12.0
Potassium dihydrogen phosphate	1.35
Aesculin	1.0
Nalidixic acid	0.02
Acriflavine hydrochloride	0.012

* adjusted as required to meet performance standards

Directions

Suspend 27.2g in 500ml of distilled water. Heat and mix well to dissolve completely. Dispense into containers. Sterilize by autoclaving at 121°C for 15 minutes.

Physical Characteristics

Straw, free-flowing powder
Colour on reconstitution - straw 2-3
Moisture level - less than or equal to 7%
pH - 7.4 ± 0.2 at 25°C
Clarity - clear

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Listeria Oxford Medium, Tryptone Soya Agar or Columbia Blood Agar Base enriched with 5% v/v horse blood, where appropriate

Reactions after incubation at 30°C for 24 hours

Inoculate 10ml quantities of UVM I medium to achieve 1-5 colony-forming units/ml (cfu/ml) of *Listeria monocytogenes* and 10-100 cfu/ml for the other test organisms. Incubate broths at 30°C for 24 hours.
Subculture on to Listeria Oxford Medium (CM0856 and SR0140) and incubate plates at 30°C for 48 hours.

Listeria monocytogenes	NCTC11994	0.25-1mm brown/black dimpled colonies and halo
Listeria monocytogenes	ATCC®7644	0.25-1mm brown/black dimpled colonies and halo

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Staphylococcus aureus	ATCC®25923	No growth to 0.5mm yellow colonies
Escherichia coli	ATCC®25922	No growth
Enterococcus faecalis	ATCC®29212	No growth

A satisfactory result is represented by recovery of positive strains equal to or greater than a 3 log(10) increase. Negative strains are inhibited or shall produce a negative diagnostic reaction.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. Addition of Control Media and Result Criteria.	Change control	BT-CC-1931