OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

REINFORCED CLOSTRIDIAL MEDIUM CM0149

REINFORCED CLOSTRIDIAL MEDIUM **CM0149**

Typical Formula*

	grams per litre
Yeast extract	13.0
Peptone	10.0
Soluble starch	1.0
Glucose	5.0
Cysteine hydrochloride	0.5
Sodium chloride	5.0
Sodium acetate	3.0
Agar	0.5

* adjusted as required to meet performance standards

Directions

Suspend 38g in 1 litre of distilled water. Bring to the boil to dissolve completely. Mix well and distribute into final 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 - 6.8 ± 0.2 at 25°C
Clarity - clear
Gel strength - semi-solid, comparable to 0.5g/litre of agar

Thermophiles shall be absent after incubation at 55°C and 37°C for 3 days.

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Columbia Blood Agar Base enriched with 5% v/v horse blood

Reactions after incubation at 37°C for 24 hours

Medium is challenged with 10-100 colony-forming units

Clostridium perfringens	ATCC®13124	Turbid growth and gas
Clostridium sporogenes	ATCC®11437	Turbid growth and gas
Clostridium sporogenes	ATCC®19404	Turbid growth and gas
Clostridium tetani	ATCC®9441	Turbid growth and gas
Clostridium sphenoides	ATCC®19403	Turbid growth and gas

After inoculation, seal tubes with 2-3ml of molten sterile 1% w/v sterile Agar Technical (Agar No.3) (LP0013) solution.

A satisfactory result is represented by visible growth and gas.

OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

REINFORCED CLOSTRIDIAL MEDIUM CM0149

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 Result Criteria.	Change control	BT-CC-1927
Typical formula	Correction of Yeast Extract from 3.0 grams per litre to 13.0 grams per litre. Removal of 'Lab-Lemco' powder.	Change control	BT-CC-1927
Physical Characteristics	Removal of Mesophiles.	Change control	BT-CC-1927