OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

REINFORCED CLOSTRIDIAL AGAR CM0151

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Typical Formula*

	grams per litre
Yeast extract	3.0
'Lab-Lemco' powder	10.0
Peptone	10.0
Glucose	5.0
Soluble starch	1.0
Sodium chloride	5.0
Sodium acetate	3.0
Cysteine hydrochloride	0.5
Agar	15.0

* adjusted as required to meet performance standards

Directions

Suspend 52.5g in 1 litre of distilled water. Bring to the boil to dissolve completely. 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 - firm, comparable to 15.0g/litre of agar

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 24-48 hours

Medium is challenged with 10-100 colony-forming units.

Clostridium perfringens	ATCC®13124	Growth and gas
Clostridium sporogenes	ATCC®19404	Growth and gas
Clostridium tetani	ATCC®9441	Growth and gas
Clostridium sphenoides	ATCC®19403	Growth and gas

A satisfactory result is represented by visible growth and gas

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Inoculate 15ml amounts of medium previously cooled to 50°C with the test organisms, without shaking. Allow to set.

There shall be no thermophiles in sterilized media after incubation at 55°C for 3 days.

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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 Medium and Result Criteria. Change of *Clostridium sphenoides* NCTC507 to ATCC®19403.	Change control	BT-CC-1927