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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
CLOSTRIDIUM DIFFICILE AGAR BASE CM0601		

CLOSTRIDIUM DIFFICILE AGAR BASE

CM0601

Typical Formula*

Proteose peptone	grams per litre	40.0
Di-sodium hydrogen phosphate		5.0
Potassium dihydrogen phosphate		1.0
Magnesium sulphate		0.1
Sodium chloride		2.0
Fructose		6.0
Agar		15.0

* adjusted as required to meet performance standards

Directions

Suspend 34.5g in 500ml of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C, enrich with 35ml of Horse Blood (SR0050) and aseptically add the contents of 1 vial of Clostridium Difficile Selective Supplement (SR0096E) reconstituted as directed. Mix well and pour into sterile Petri dishes. Sheep Blood (SR0051) may be used in place of horse blood but some strains of the organism will show a slightly reduced growth recovery.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw 2-4
 Moisture level - less than or equal to 7%
 pH 7.4 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 15.0g/litre of agar

Microbiological Tests Using Optimum Dilution


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

Reactions after incubation at 37°C for 36 hours under anaerobic conditions

Tested with the addition of Clostridium Difficile Selective Supplement SR0096E enriched with 7% v/v horse blood

Medium is challenged with 10-100 colony-forming units

<i>Clostridium difficile</i>	NCTC11204	1-2mm grey/white colonies
<i>Clostridium difficile</i>	ATCC®43593	1-2mm grey/white colonies

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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 + result criteria	Change control	BT-CC-1842