OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

CAMPYLOBACTER AGAR BASE CM0689

CAMPYLOBACTER AGAR BASE **CM0689**

Typical Formula*

'Lab-Lemco' powder	grams per litre	10.0
Peptone		10.0
Sodium chloride		5.0
Agar		12.0

* adjusted as required to meet performance standards

Directions

Suspend 18.5g of Campylobacter Agar Base (CM0689) in 475ml of distilled water and bring to the boil, dissolve completely. Sterilise by autoclaving at 121°C for 15 minutes. Cool to 50°C. Aseptically add 25ml of Laked Horse Blood (SR0048) and 1 vial of Modified Preston Campylobacter Selective Supplement (SR0204E) reconstituted as directed. Mix well and pour into sterile Petri dishes.

NOTE: Campylobacter Agar Base (CM0689) is not suitable for use with Campylobacter Growth Supplement (SR0232E)

Physical Characteristics

Straw, free-flowing powder
Colour on reconstitution - Straw 2-3
Moisture level - less than or equal to 7%
pH 7.5 ± 0.2 at 25°C
Clarity - clear
Gel strength - firm, comparable to 12g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Campylobacter Agar Base enriched with 5% v/v laked horse blood

Reactions after incubation at 42°C for 48 hours under microaerophilic conditions

Tested with the addition of Modified Preston Campylobacter Supplement SR0204 and enriched with 5% v/v laked horse blood

Medium is challenged with 10-100 colony-forming units

Campylobacter jejuni	ATCC®29428	0.5-2mm grey/brown colonies

Campylobacter jejuni	ATCC®33560	0.5-2mm grey/brown colonies
Campylobacter coli	ATCC®43478	0.5-2mm grey/brown colonies
Campylobacter lari	ATCC®35221	0.5-2mm grey/brown colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

Escherichia coli	ATCC®8739	No growth
Staphylococcus aureus	ATCC®25923	No growth
Proteus mirabilis	ATCC®12453	No growth

Negative strains are inhibited.

Medium is challenged with 10-100 colony-forming units

Candida albicans	ATCC®10231	No growth

Candida albicans ATCC®10231 is inhibited or shall produce at least a 1 log(10) reduction when compared to the control medium.

Testing performed in accordance with current CLSI M22 A

Reactions after incubation at 42°C for 48 hours under microaerophilic conditions

Tested with the addition of Modified Preston Campylobacter Supplement SR0204 and enriched with 5% v/v laked horse blood

Medium is challenged with 10-100 colony-forming units

Campylobacter jejuni	ATCC®33291	0.5-2mm grey/brown colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

Escherichia coli	ATCC®25922	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Directions	Addition of statement regarding suitability with Campylobacter Growth Supplement (SR0232E)	Change control	BT-CC-3163