OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

CAMPYLOBACTER AGAR BASE (KARMALI) CM0935

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Formula

Columbia Agar Base	grams per litre	39.0
Activated charcoal		4.0
Haematin		0.032

Directions

Suspend 21.5 g in 500ml of distilled water and bring to the boil to dissolve. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Aseptically add 1 vial of Campylobacter Selective Supplement (Karmali) (SR0167) reconstituted as directed. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Black, free flowing powder
Colour on reconstitution - black
pH 7.4 ± 0.2 at 25°C
Clarity - opaque
Gel strength - firm, comparable to 10.0g / litre agar

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Microbiological Test using Optimum Inoculum Dilution

Control Medium**:** Columbia Blood Agar Base enriched with 7% v/v lysed horse blood and Campylobacter Growth Supplement SR0232

Reactions after incubation at 42°C for 48 hours under microaerophilic conditions (for details refer to Oxoid Manual - Atmosphere Generation Systems)

Tested with the addition of Campylobacter Selective Supplement (Karmali) SR0167

Medium is challenged with 10-100 colony forming units

Campylobacter jejuni	ATCC® 29428	0.5-2mm grey colonies
Campylobacter jejuni	ATCC® 33560	0.5-2mm grey colonies
Campylobacter jejuni	ATCC® 33291	0.5-2mm grey colonies
Campylobacter coli	ATCC® 43478	0.5-2mm grey colonies
Candida albicans	ATCC® 10231	Pinpoint-0.5mm feather-edged, grey colonies

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

For *Candida albicans* ATCC® 10231, a satisfactory result is represented by recovery equal to or greater than 40% of the control medium.

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

Pseudomonas aeruginosa	ATCC® 27853	No growth
Escherichia coli	ATCC® 8739	No growth
Staphylococcus aureus	ATCC® 25923	No growth

Negative strains are inhibited.

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

Campylobacter lari	ATCC® 35221	0.5-2mm grey colonies

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Testing performed in accordance with current CLSI M22 A

Reactions after incubation at 42°C for 48 hours under microaerophilic conditions (for details refer to Oxoid Manual - Atmosphere Generation Systems).

Tested with the addition of Campylobacter Selective Supplement (Karmali) SR0167

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
CLSI M22 A section	Addition of CLSI M22 A section	Change control	BT-CC-1492