OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

CAMPYLOBACTER BLOOD-FREE SELECTIVE AGAR BASE CM0739

CAMPYLOBACTER BLOOD-FREE SELECTIVE AGAR BASE **CM0739**

Typical Formula*

Nutrient Broth No. 2	grams per litre	25.0
Activated carbon		4.0
Casein hydrolysate		3.0
Sodium desoxycholate		1.0
Iron (II) sulphate		0.25
Sodium pyruvate		0.25
Agar		12.0

*adjusted to meet performance standards

Directions

Suspend 22.75g 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 and aseptically add the contents of 1 vial of CCDA Selective Supplement (SR0155E) 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 12g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

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

Reactions after incubation at 37 ± 2°C for 48 hours under microaerophilic conditions

Tested with the addition of CCDA Selective Supplement SR0155

Medium is challenged with 10-100 colony-forming units

Campylobacter jejuni	ATCC®33560	0.5-2mm grey 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

Campylobacter lari	ATCC®35221	0.5-2mm grey colonies

For *Campylobacter lari* ATCC®35221, a satisfactory result is represented by growth and a positive diagnostic reaction in accordance with the specification.

Testing performed in accordance with ISO11133:2014

Reactions after incubation at 41.5 ± 2°C for 44 ± 4 hours

Medium is challenged with 50-120 colony-forming units

Campylobacter jejuni	ATCC®29428	WDCM00156	0.5-2mm grey colonies
Campylobacter jejuni	ATCC®33291	WDCM00005	0.5-2mm grey colonies
Campylobacter coli	ATCC®43478	WDCM00004	0.5-2mm grey 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	WDCM00013	No growth
Escherichia coli	ATCC®8739	WDCM00012	No growth
Staphylococcus aureus	ATCC®25923	WDCM00034	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Physical Characteristics	Removal of moisture value	Change control	BT-CC-1617
Microbiological Characteristics	Change of testing for *Campylobacter lari* ATCC®35221 changed from low number quantitative to high number qualitative testing.	Change control	BT-CC-2939