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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
CHROMOGENIC CRONOBACTER ISOLATION (CCI) AGAR BASE (CM1122)		

CHROMOGENIC CRONOBACTER ISOLATION (CCI) AGAR BASE **CM1122**

Typical Formula*

Yeast extract	grams per litre	3.0
Sodium chloride		5.0
Tryptone		7.0
Sodium thiosulphate		1.0
Sodium desoxycholate		0.25
Ferric ammonium citrate		1.0
5-bromo-4-chloro-3-indolyl α -D-glucoopyranoside		0.15
Agar		13.2


* adjusted as required to meet performance standards

Directions

Suspend 30.6g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to approximately 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder
 Moisture level - less than 7%
 pH 7.3 \pm 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 13.2g/litre of agar

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Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 41.5°C ± 1°C for 24 ± 2 hours

Medium is challenged with 50-150 colony-forming units

<i>Cronobacter sakazakii</i>	ATCC® 12868	1-3mm blue or blue/green colonies
<i>Cronobacter sakazakii</i>	ATCC® 29004	1-3mm blue or blue/green colonies

A satisfactory result is represented by recovery of equal to or greater than 70% of the control medium.

Testing performed in accordance with ISO22964:2017

Reactions after aerobic incubation at 41.5 ± 1°C for 24 ± 2 hours.

Medium is challenged with 50-150 colony-forming units

<i>Cronobacter sakazakii</i>	ATCC® 29544	WDCM00214	1-3mm blue or blue/green colonies
<i>Cronobacter muytjensii</i>	ATCC® 51329	WDCM00213	1-3mm blue or blue/green colonies

A satisfactory result is represented by recovery of equal to or greater than 70% of the control medium.

Medium is challenged with >1E+03 colony-forming units


<i>Enterobacter cloacae</i>	ATCC® 13047	WDCM00083	1-2mm straw colonies
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A satisfactory result is represented by growth with a negative diagnostic reaction.

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

<i>Staphylococcus aureus</i>	ATCC® 6538	WDCM00032	No growth
<i>Staphylococcus aureus</i>	ATCC® 25923	WDCM00034	No growth

Negative strains are inhibited

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	<ul style="list-style-type: none"> Update to new document template Update to include ISO22964:2017 testing 	Change control	BT-CC-1524