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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ ENTEROBACTER SAKAZAKII AGAR (DFI) CM1055		

BRILLIANCE™ ENTEROBACTER SAKAZAKII AGAR (DFI)
CM1055
Typical Formula*

	grams per litre	
Tryptone		15.0
Soya peptone		5.0
Sodium chloride		5.0
Ferric ammonium citrate		1.0
Sodium desoxycholate		1.0
Sodium thiosulphate		1.0
Chromogen		0.1
Agar		15.0

*adjusted as required to meet performance standards

Directions

Suspend 43.1g in 1 litre of distilled water and mix well. Sterilize by autoclaving at 121°C for 15 minutes. Cool to approximately 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

White/straw, free-flowing powder
 Colour on reconstitution – Straw 5
 Moisture level - less than or equal to 7%
 pH - 7.3 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 15g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 37 ± 2°C for 18-24 hours

Medium is challenged with 50-150 colony-forming units

<i>Cronobacter sakazakii</i>	ATCC®12868	1-2mm blue-green colonies
<i>Cronobacter sakazakii</i>	ATCC®29004	1-2mm blue-green colonies
<i>Cronobacter muytjensii</i>	ATCC®51329	1-2mm blue-green colonies
<i>Escherichia coli</i>	ATCC®25922	No growth or 0.25-1.5mm straw colonies


A satisfactory result is represented by recovery of positive strains equal to or greater than 10% of the control medium. For *Escherichia coli* ATCC®25922, a satisfactory result is represented by recovery equal to or less than 50% of the control medium.

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Medium is challenged with greater than 1E+04 colony-forming units

Staphylococcus aureus ATCC®25923 No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological characteristics	Addition of Control Media and clarity of results criteria.	Change control	BT-CC-1952
Physical characteristics	Addition of colour on reconstitution.		
Entire Document	Update to new document format and correction of typographical/minor errors. Change of name for all <i>Enterobacter</i> spp. to <i>Cronobacter</i> spp. Change <i>Enterobacter sakazakii</i> ATCC®51329 to <i>Cronobacter muytjensii</i> ATCC®51329	Change control	BT-CC-2263