OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

BRILLIANCE™ BACILLUS CEREUS AGAR CM1036

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Typical Formula*

Yeast extract	grams per litre	4.0
Peptone		10.0
Di-sodium hydrogen phosphate		2.52
Potassium dihydrogen phosphate		0.28
Sodium pyruvate		10.0
Chromogenic mix		1.2
Agar		13.0

* adjusted as required to meet performance standards

Directions

Suspend 20.5g in 500ml of distilled water. Bring gently 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 Brilliance™ Bacillus cereus Selective Supplement (SR0230E) reconstituted as directed. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw/yellow, free-flowing powder
Colour on reconstitution – Straw 1-2
Moisture level - less than or equal to 7%
pH 7.2 ± 0.2 at 25°C
Clarity - clear
Gel strength - firm, comparable to 13.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Medium is challenged with 10-100 colony-forming units

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

Bacillus cereus	ATCC®10876	1-7mm blue/green colonies
Bacillus cereus	ATCC®14579	1-7mm blue/green colonies
Bacillus cereus	ATCC®10702	1-7mm blue/green colonies

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

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

Bacillus pumilus	ATCC®7061	No growth
Bacillus subtilis	ATCC®6633	No growth
Pseudomonas aeruginosa	ATCC®27853	No growth or 2-3mm straw/yellow colonies
Escherichia coli	ATCC®25922	No growth or 1-2mm straw colonies
Salmonella typhimurium	ATCC®14028	No growth or 1-2mm cream colonies
Staphylococcus aureus	ATCC®25923	No growth or 1mm cream colonies
Enterococcus faecalis	ATCC®29212	No growth

Negative strains are inhibited or shall produce at least a 2 log (10) reduction when compared to the control medium.

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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-1918
Physical characteristics	Addition of colour on reconstitution.		
Entire Document	Update to new document format and correction of typographical/minor errors.	Change control	BT-CC-2263