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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
E.C. BROTH CM0853		

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CM0853

Typical Formula*

Tryptone	grams per litre	20.0
Lactose		5.0
Bile Salts No. 3		1.5
Di-potassium phosphate		4.0
Mono-potassium phosphate		1.5
Sodium chloride		5.0

* adjusted as required to meet performance standards

Directions

Dissolve 37g in 1 litre of distilled water. Dispense into final containers and sterilize by autoclaving at 121°C for 15 minutes.

Physical Characteristics

White, free-flowing powder

Colour on reconstitution - straw 2-3

Moisture Level - less than or equal to 7%

pH - 6.9 ± 0.2 at 25°C

Clarity - clear

Microbiological Tests using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 44 ± 2°C for 24 ± 2 hours

Medium is challenged with 10-100 colony-forming units

Enterobacter aerogenes ATCC®13048 Turbid growth, no gas

A satisfactory result is represented by visible growth and no gas.

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Reactions after incubation at 44 ± 2°C for 48 ± 2 hours

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

Bacillus subtilis ATCC®6633 No growth

Staphylococcus aureus ATCC®25923 No growth

Negative strains shall be inhibited.

Testing performed in accordance with ISO11133:2014

Reactions after incubation at 44 ± 2°C for 24 ± 2 hours

Medium is challenged with 10-100 colony-forming units

Escherichia coli ATCC®25922 WDCM00013 Turbid growth & gas

Escherichia coli ATCC®8739 WDCM00012 Turbid growth & gas

A satisfactory result is represented by visible growth and gas.

Reactions after incubation at 44 ± 2°C for 48 ± 2 hours

Medium is challenged with 1E+04 to 1E+05 colony-forming units

Pseudomonas aeruginosa ATCC®27853 WDCM00025 No growth

Negative strains shall be inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
ISO11133 section	Update to test specification	Change control	BT-CC-1506
Entire Document	Update to new document format and correction of typographical/minor errors.	Change control	BT-CC-2263