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<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>E.C. BROTH CM0853</b>		

## E.C. BROTH

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