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<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>E.E. BROTH-MOSSEL (EP/USP/JP/BP) CM1115</b>		

## E.E. BROTH-MOSSEL (EP/USP/JP/BP)

CM1115

### Typical Formula\*

Pancreatic digest of gelatine	grams per litre	10.0
Glucose (anhydrous)		4.5**
Bile salts (sodium desoxycholate, sodium lauryl sulphate, sodium citrate)		3.055***
Potassium dihydrogen phosphate		2.0
Di-sodium hydrogen phosphate (anhydrous)		6.4****
Brilliant green		0.015

\* adjusted as required to meet performance standards

\*\* 4.5g of glucose (anhydrous) are equivalent to 5.0g of glucose monohydrate

\*\*\* 3.055g of bile salts are equivalent to 20.0g of dehydrated ox bile

Note: Ox bile is dried whole bile containing pigments, salts, etc. It would contain an uncertain mixture of free and conjugated bile acids. Used at 2% w/v. Bile salts are a chemically prepared mixture which will contain some proportion of conjugated salts. Used at 0.5% w/v.

\*\*\*\* 6.4g of di-sodium hydrogen phosphate (anhydrous) are equivalent to 8.0g of di-sodium hydrogen phosphate dihydrate

### Directions

Dissolve 25.97g in 1 litre of water (purified, as required). Mix well and distribute 100ml into 250ml flasks. Sterilize by heating at 100°C for 30 minutes. Cool rapidly in cold running water. DO NOT AUTOCLAVE. DO NOT OVERHEAT.

### Physical Characteristics


Light green, free-flowing powder

Colour on reconstitution - blue/green

Moisture level - less than 7%

pH 7.2 ± 0.2 at 25°C

Clarity - clear

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## Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

### Tested in accordance with current USP/EP/BP/JP

#### Results after incubation at 30-35°C for 24 hours

Medium is challenged with 10-100 colony-forming units

<i>Escherichia coli</i>	ATCC® 8739	Turbid growth
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	Turbid growth


A satisfactory result is represented by visible growth.

#### Results after incubation at 30-35°C for 48 hours

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

<i>Staphylococcus aureus</i>	ATCC® 6538	No growth
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Negative strains are inhibited.

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## Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and inclusion of 'Tested in accordance with' statement	Change control	BT-CC-1478
Entire document	Minor typographical changes. Change <i>Staph. aureus</i> ATCC®6538 inoculum upper limit from 1E+05 to 1E+06	Change control	BT-CC-2202