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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, blue/green or green


Moisture level - less than 7%

pH 7.2 ± 0.2 at 25°C

Clarity - clear

**Microbiological Tests Using Optimum Inoculum Dilution**

Control Medium: Tryptone Soya Agar

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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
Change 'colour on reconstitution'	Addition of 'blue' to colour range	Change control	MOC-2024-0820