

## EE BROTH, MOSSEL (100 ML)

### INTENDED USE:

EE Broth Mossel Enrichment is used for selectively enriching and detecting Enterobacteriaceae, particularly from foods.

### PRINCIPLE AND INTERPRETATION:

The family Enterobacteriaceae consists of Salmonella, Shigella and other enteric pathogens. These organisms find entry into the food system through faecally contaminated water. Majority of these organisms may be eliminated under the stringent food processing parameters. But some of these organisms may become sublethally injured during the changes in pH, exposure to steam or heat and other unfavourable conditions (1). Therefore the important aspect of food monitoring depends upon the identification and enumeration of these injured cells, after resuscitation. EE Broth, Mossel, formulated by Mossel et al is recommended as an enrichment medium for Enterobacteriaceae in the biological examination of foods and animal feed stuffs.

### COMPOSITION:

Ingredients	Gr/Liter
Pancreatic Digest of Gelatin	10 gr
Dextrose	5 gr
Disodium Phosphate	8 gr
Monopotassium Phosphate	2 gr
Brilliant Green	15 mg
Oxgall	20 gr

\*\*\*Formula adjusted, standardized to suit performance parameters

pH: 7,2 ± 0,2

### PRECAUTIONS:

For professional use only. Do not use tubes if they show evidence of microbial contamination, discoloration or other signs of deterioration.

### QUALITY CONTROL:

#### 1. Sterility Control:

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

#### 2. Physical/Chemical Control

pH: 7,2 ± 0,2

Appearance: Clear, emerald green.

3. Microbiological Control: Incubation at a temperature of 35±2°C and observed after 18-24 hours.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reactions
<i>Escherichia coli</i> ATCC 8739	10-100	Good	Good
<i>Pseudomonas aeruginosa</i> ATCC 9027	10-100	Good	Good
<i>Staphylococcus aureus</i> ATCC 6538	100-1000	Inhibition	Inhibition

### STORAGE CONDITIONS AND SHELF LIFE:

Store the prepared medium at 2 - 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

### DISPOSAL:

Incubated medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected tube should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

## PACKAGING:

**Katalog Number:** 01118

**Content/Packaging:** Screw cap x 20 piece /box

## REFERENCES:

1. United States Pharmacopeial Convention, Inc. 2008. The United States pharmacopeia 31/The national formulary 26, Supp. 1, 8-1-08, online. United States Pharmacopeial Convention, Inc., Rockville, Md.
2. European Directorate for the Quality of Medicines and Healthcare. 2008. The European pharmacopoeia, 6th ed., Supp. 1, 4-1-2008, online. European Directorate for the Quality of Medicines and Healthcare, Council of Europe, 226 Avenue de Colmar BP907-, F-67029 Strasbourg Cedex 1, France.
3. Japanese Ministry of Health, Labour and Welfare. 2006. The Japanese pharmacopoeia, 15th ed., online. Japanese Ministry of Health, Labour and Welfare.
4. Mossel, Vissar and Cornelisen. 1963. J. Appl. Bacteriol. 26:444.
5. Hartman and Minnich. 1981. J. Food Prot. 44:385.
6. International Organization for Standardization. 2004 Microbiology of food and animal feeding stuffs - horizontal methods for the detection and enumeration of Enterobacteriaceae - Part 1: Detection and enumeration by MPN technique with pre-enrichment. ISO 21528-1, 1st ed., 2004-08-15. International Organization for Standardization, Geneva, Switzerland.
7. Downes and Ito (ed.). 2001. Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.



Aseptic Sterile



Use by



Look at user manual



Batch Code



Temperature  
Limitation



Manufacturer



Catalogue Number



Do not reuse



Negative Controls



Contains sufficient  
for <n> tests



Positive Controls