

## CM 20659 – ENRICHMENT BROTH FOR ECO157:H7

### INTENDED USE

Used as an enrichment broth for the growth of E. coli O157:H7.

### PRODUCT SUMMARY AND EXPLANATION

Enrichment Broth for ECO157:H7 is based on the formulation described by Rappaport and Henigh. Escherichia coli O157:H7 has been recognized as a cause of hemorrhagic colitis.

### COMPOSITION

Ingredients	Gms / Ltr
Casein enzymic hydrolysate	10.000
Sorbitol	10.000
Bile salts mixture	1.500
Sodium chloride	5.000

### PRINCIPLE

The medium consists of Casein enzymic hydrolysate provides nitrogenous, carbonaceous compounds and other essential growth nutrients. Sorbitol is a fermentable sugar, bile salt mixture inhibits most of the gram positive organisms. Sodium chloride maintains the osmotic balance in the medium.

### INSTRUCTION FOR USE

Dissolve 26.5 grams in 1000 ml purified / distilled water.  
Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE.  
Mix well before pouring into sterile test tubes.

### QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Light pink to purple homogeneous free flowing powder.  
Appearance of prepared medium : Light yellow coloured clear solution without any precipitate.  
pH (at 25°C) : 7.1 ± 0.2

### INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	Strains	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Escherichia coli	25922 ATCC	50-100	Luxuriant	35-37°C	18-24 Hours



Escherichia coli 0157:H7	12900 NCTC	50-100	Luxuriant	35-37°C	18-24 Hours
Enterococcus faecalis	29212 ATCC	$\geq 10^3$	Inhibited	35-37°C	18-24 Hours
Enterobacter sakazakii	12868 ATCC	50-100	Luxuriant	35-37°C	18-24 Hours
Klebsiella pneumoniae	13883 ATCC	50-100	Luxuriant	35-37°C	18-24 Hours
Staphylococcus aureus	25923 ATCC	$\geq 10^3$	Inhibited	35-37°C	18-24 Hours
Salmonella Enteritidis	13076 ATCC	50-100	Luxuriant	35-37°C	18-24 Hours
Shigella flexneri	12022 ATCC	50-100	Good	35-37°C	18-24 Hours

**PACKAGING:**

Inpacksizeof500 gm bottles.

**STORAGE**

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.




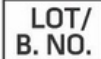








**DISPOSAL**

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

**REFERENCES**

1.RappaportFandHenigh E., J. Clin. Path., 5:361. 2.Karmali M. A., Petric M., Lim C., et al, 1985, J. Infect. Dis., 151:775.



 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedNet GmbH Buckhorn 10 48163 Hünxville, Germany</small>	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.  
 \*For LabUse Only

