

TM 2066 – 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 suga, 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
<i>Escherichia coli</i>	25922 ATCC	50-100	Luxuriant	35-37°C	18-24 Hours



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

PACKAGING:

In pack size of 500 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. Rappaport F and Henigh 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 Buckstrasse 10, 48163 Münster, 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 Lab Use Only**
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