



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



f 🞯 in У 1

PRODUCT DATA SHEET



Escherichia coli 0157:H7	12900 NCTC	50-100	Luxuriant	35-37°C	18-24 Hours
Enterococcus faecalis	29212 ATCC	>=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	>=10 ³	Inhibited	35-37°C	18-24 Hours
<i>Salmonella</i> 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:

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.

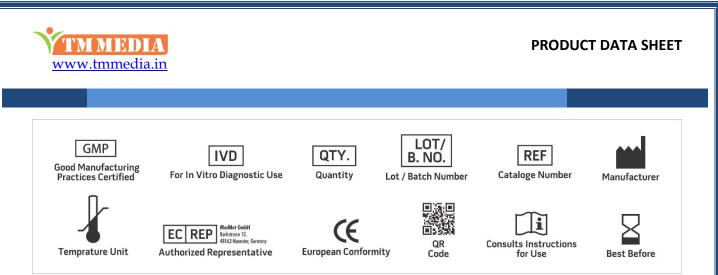
DISPOSAL

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.





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

Revision: 08 Nov., 2019



