

STEC Enrichment Broth (SEB) Medium (TBS8067)

Catalog
TBS8067

Unit Size
500ml

Description

TribioScience's STEC Enrichment Broth (SEB) Medium is a selective medium for enriching Shiga toxin-producing E. coli (STEC) from food, clinical, and environmental samples. It contains tryptone, soytone, glucose, and K₂HPO₄ for growth support, with NaCl for osmotic balance. Selective agents like sodium nitrite and ferrous sulfate inhibit non-target microbes, promoting STEC growth.

Application

- Used for the selective enrichment of Shiga toxin-producing Escherichia coli (STEC) from food, clinical, and environmental samples.
- Ideal for detecting STEC in foodborne illness investigations and epidemiological studies.
- Utilized in research on STEC pathogenesis, antimicrobial resistance, and virulence factors.

Main Features

- Selective Enrichment: Inhibits non-STEC growth with sodium nitrite and ferrous sulfate.
- Nutrient-Rich: Supports STEC growth with tryptone, soytone, glucose, and K₂HPO₄.
- Osmotic Balance: Maintains stability with NaCl.
- Efficient Recovery: Promotes effective STEC isolation from complex samples.

Package Size

500 ML

Storage

Store at 4°C in a sealed container. Stable for 12 months when stored properly. Avoid freezing.

Directions for Use

- Dissolve the medium in distilled water and autoclave at 121°C for 15 minutes.
- Add the sample and incubate at 37°C for 18-24 hours.
- Plate onto selective agar (e.g., MacConkey agar or CIN agar) for further analysis.

Relative Products

1xPBS (TBS5003)
2% BSA in PBS (TBS5048)
2% BSA in TBST (TBS5049-2)
5% BSA in TBST (TBS5049-5)
30% BSA (TBS8031)
0.1% BSA ELISA Assay Buffer (TBS5057)
PBST (TBS5011)
TBS (TBS5008)
TBST (TBS5008T)
0.5M EDTA Solution (TBS5040)
Antigen retrieval Citrate Solution-pH6.0(TBS5077)
Protein Assay Kit (TBS2005)
Protein Lysis Buffer (TBS5001)
Urea Solution (TBS5037)
Ammonium Sulfate Solution (TBS5038)
MOPS Buffer (TBS5041)

This product is for research use only.