



mEHEC® Broth

Dehydrated culture medium for selective enrichment of pathogenic bacteria in selected foods

Intended use

Dehydrated culture medium for selectively enriching *E.coli* O157:H7, *E.coli* non-O157:H7 STEC and *Salmonella* spp. in selected foods. For use with VIP® Gold, Assurance® EIA, and Assurance® GDS Tq.

Reagents

mEHEC® broth contains the following nutrient sources: casein digests, yeast digests, carbohydrates and salts. The exact composition of this proprietary media cannot be disclosed.

Properties

Dehydrated granulated medium appearance is off-white to tan colored granules. Prepared non-autoclaved media appearance is straw colored liquid, prepared autoclaved media appearance is brownish.

- Solubility: (7.1 g / 225 mL) soluble in distilled or deionized water
- pH 7.0 ±0.2 @ 25 °C

Precautions

This product is For Laboratory Use only. The container should be tightly closed as the media is hygroscopic. Store between 2–30 °C (36–86 °F).

Preparation of dehydrated culture medium

- Suspend 31.6 g of the medium in 1000 mL of pre-warmed (42 °C), sterile, deionized water
- Gently mix to dissolve the granules prior to sample addition
- Alternatively, sterilize by autoclaving at 121 °C for 15 minutes. When using autoclaved media, it must be pre-warmed to 42 °C prior to sample addition

Procedure

Consult Directions for Use for your specific assay for the recommended procedure for sample preparation, inoculation, testing, and interpretation.

Quality control

Satisfactory growth promotion capabilities for pathogenic *E. coli* and *Salmonella* were demonstrated for this media formulation.

Test strain	Inoculum	Growth*	Reference medium
<i>Escherichia coli</i> ATCC 35150 (O157)	≤100	≥1.0*10 ⁶	Tryptic soy agar
<i>Escherichia coli</i> O26:H11	≤100	≥1.0*10 ⁶	Tryptic soy agar
<i>Escherichia coli</i> O103:H2	≤100	≥1.0*10 ⁶	Tryptic soy agar
<i>Escherichia coli</i> O111:H8	≤100	≥1.0*10 ⁶	Tryptic soy agar
<i>Salmonella Enteritidis</i> ATCC 13076 (WDCM 00030)	≤100	≥1.0*10 ⁴	Tryptic soy agar
<i>Salmonella Typhimurium</i> ATCC 14028 (WDCM 00031)	≤100	≥1.0*10 ⁵	Tryptic soy agar
<i>Staphylococcus aureus</i> ATCC 25923 (WDCM 00034)	≥10000	Partial to total inhibition	Tryptic soy agar

*Plate count after 8 hours of incubation at 42 °C

Ordering information

Product name	Catalogue number
mEHEC® Broth 0,5 kg	1.03686.0500
mEHEC® Broth 10 kg	1.03686.9010

To place an order or receive technical assistance

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