

Product Name :
Bile Salt Agar

Product Code :
NLAB-CHEMICALSIND21034

Description :

Bile Salt Agar

Technical Specification :

Bile Salt Agar

Recommended for isolation and identification of bile tolerant bacteria responsible for food poisoning.

Directions

Suspend 43 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.

Principle And Interpretation

Bile Salt Agar is used for isolation and enumeration of enteric bacilli. Enteric bacilli include a variety of gram-negative bacilli, frequent inhabitant of the intestine as normal commensals or pathogens. The medium contains peptic digest of animal tissue and meat extract which provide nitrogenous compounds and other essential nutrients for the growth of enteric bacilli. These organisms can cause either intestinal or extra-intestinal infections. Sodium taurocholate inhibits contaminating gram-positive organisms. Sodium chloride maintains the osmotic balance of the medium.

Quality Control

Appearance: Cream to yellow homogeneous free flowing powder

Reaction: Reaction of 4.3% w/v aqueous solution at 25°C. pH: 8.2±0.2

Gelling: Firm, comparable with 1.8% Agar gel

pH: 8.00-8.40

Colour and Clarity of prepared medium: Light amber coloured, clear to slightly opalescent gel forms in Petri plates.

Naugralabequipments

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