

Product Name :
Bile Esculin Agar Base

Product Code :
NLAB-CHEMICALSIND21033

Description :

Bile Esculin Agar Base

Technical Specification :

Bile Esculin Agar Base

Bile Esculin Azide Agar is a selective medium used for isolation and presumptive identification of faecal Streptococci. Bile Esculin Azide Agar is a modification of Bile Esculin Agar as per Isenberg. In this medium the bile concentration is reduced and additional sodium azide is incorporated. Esculin in the medium is hydrolyzed to esculetin and dextrose. Esculetin reacts with ferric citrate to form a dark brown or black complex, visualized as a zone of black precipitate around the colonies.

Directions

Suspend 56.65 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. Cool to 45-50°C. Mix well and pour into sterile Petri plates.

Quality Control

Appearance: Cream to yellow homogeneous free flowing powder

Reaction: Reaction of 5.67% w/v aqueous solution at 25°C. pH : 7.1±0.2

pH: 6.90-7.30

Gelling: Firm, comparable with 1.5% Agar gel

Colour and Clarity of prepared medium: Amber coloured, clear to slightly opalescent gel with a bluish tinge forms in Petri plates.

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