

Product Name :
Bismuth Sulphite Agar

Product Code :
NLAB-CHEMICALSIND21036

Description :

Bismuth Sulphite Agar

Technical Specification :

Bismuth Sulphite Agar

Bismuth Sulphite Agar is a type of agar media used to isolate Salmonella species. It uses glucose as a primary source of carbon. Bismuth Sulphite Agar tests the ability to use ferrous sulfate and convert it to hydrogen sulfide. Bismuth Sulphite Agar is recommended for the selective isolation and preliminary identification of Salmonella Typhi and other Salmonellae from pathological materials, sewage, water supplies, food etc. Bismuth Sulphite Agar is a selective as well as differential medium for isolation and presumptive identification of Salmonella spp especially Salmonella Typhi. Bismuth Sulphite Agar is a modification of original Wilson and Blair Medium. Salmonella can be isolated from wide range of clinical, food, sewage and other environmental samples.

Directions

Suspend 52.33 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. The sensitivity of the medium depends largely upon uniform dispersion of precipitated bismuth sulphite in the final gel, which should be dispersed before pouring into sterile Petri plates.

Quality Control

Appearance: Light yellow to greenish yellow homogeneous free flowing powder

pH: 7.50-7.90

Colour and Clarity of prepared medium: Greenish yellow coloured, opalescent with flocculent precipitate forms in Petri plates.

Reaction: Reaction of 5.23% w/v aqueous solution at 25°C. pH : 7.7±0.2

Gelling: Firm, comparable with 2.0% agar gel.

Naugralabequipments

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