

Product Name : Gelatin Iron Agar	Product Code : NLAB-CHEMICALSIND21021
Description :	
Gelatin Iron Agar	
Technical Specification :	
Gelatin Iron Agar	
Gelatin Iron Agar is used for detecting gelatin liquefaction and hydrogen sulphide production	
Directions	
Suspend 15.9 grams in 100 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in test tubes as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.	
Principle And Interpretation	
Gelatin liquefaction along with the production of hydrogen sulphide is one of the characteristics used in the classification of bacteria. Methods to detect hydrogen sulphide production by suspending strips of paper impregnated with lead acetate above cultures are of variable sensitivity and are of limited value. Hydrogen sulphide can be produced in small amounts from sulphur containing amino acids by a large number of bacteria. The hydrogen sulphide production test combined with gelatin liquefaction test is useful for group differentiation within the Enterobacteriaceae species.	
Quality Control	
Appearance: Cream to yellow homogeneous free flowing powder	
pH: 6.80-7.20	
Reaction: Reaction of 15.9% w/v aqueous solution at 25°C. pH : 7.0±0.2	
Gelling: Semisolid,comparable with 0.1% Agar gel and 12.0% Gelatin gel.	

Colour and Clarity of prepared medium: Light yellow coloured, clear to slightly opalescent gel forms in tubes as butts.

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