

**Product Name :**  
Anaerobic Blood Agar Base

**Product Code :**  
NLAB-CHEMICALSIND21014

**Description :**

Anaerobic Blood Agar Base

**Technical Specification :**

Anaerobic Blood Agar Base

Anaerobic Blood Agar Base is recommended for isolation and cultivation of Group A and Group B Streptococci from throat cultures and other clinical samples.

**Directions:**

Suspend 40 grams in 990 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. Aseptically add rehydrated contents of 1 vial of Neomycin Supplement, and 5% v/v sterile defibrinated sheep blood. Mix well and pour into sterile Petri plates.

**Principle And Interpretation**

Group A Streptococci commonly causes strep throat and rarely, a potentially deadly destruction of flesh. Anaerobic Blood Agar Base with Neomycin Supplement is used for the isolation of Group A and Group B Streptococci from clinical specimens. Group B streptococcus infection is a common bacterial infection that is rarely serious in adults, but can be lifethreatening to newborns. This medium was originally formulated by Blanchette and Lawrence, by addition of the antibiotic Neomycin to sheep blood agar. Growth factors and defibrinated sheep blood together supply enrichment for growth of fastidious organisms. This addition improved the detection of Group A & B Streptococci, while inhibiting the growth of the other accompanying haemolytic organisms. Casein enzymic hydrolysate and papaic digest of soyabean meal in the medium provide carbon and nitrogenous compounds. Sodium chloride helps in maintaining the osmotic equilibrium.

**Quality Control**

Appearance: Cream to yellow homogeneous free flowing powder

Gelling: Firm, comparable with 1.4% Agar gel.

pH: 7.10-7.50

Reaction: Reaction of 4.0% w/v aqueous solution at 25°C. pH : 7.3±0.2

Colour and Clarity of prepared medium: Basal medium: Yellow coloured clear to slightly opalescent gel. After addition of 5%v/v sterile defibrinated blood : Cherry red coloured , opaque gel forms in Petri plates.

## Naugralabequipments

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