

**Product Name :**  
Azide Blood Agar Base

**Product Code :**  
NLAB-CHEMICALSIND21029

**Description :**

Azide Blood Agar Base

**Technical Specification :**

Azide Blood Agar Base

A selective medium for the detection and isolation of Streptococci and Staphylococci from stool, sewage, food and other specimens.

**Directions**

Suspend 33.2 grams in 1000 ml of 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. For preparing Blood Agar plates, 5% v/v sterile defibrinated blood is added aseptically. Mix well and pour into sterile Petri plates.

**Principle And Interpretation**

Azide Blood Agar Base is used for the selective isolation and cultivation of Staphylococcus and Streptococcus species from mixed bacterial flora. It is a modification of the broth medium originally formulated by Edwards for the detection of Streptococci from bovine mastitis cases. The original broth medium of Edwards was modified to a blood agar by Packer containing sodium azide and crystal violet. Blood serves as an additional source of growth factors and it also helps to visualize the haemolytic pattern. Sodium chloride helps to maintain the osmotic balance of the medium. The media can be supplemented with sterile defibrinated blood to prepare blood agar.

**Quality Control**

Appearance: Cream to yellow homogeneous free flowing powder

Reaction: Reaction of 3.32% w/v aqueous solution at 25°C. pH : 7.2±0.2

Gelling: Firm, comparable with 1.5% Agar gel

pH: 7.00-7.40

Colour and Clarity of prepared medium: Basal medium: Yellow coloured, clear to slightly opalescent gel.

After addition of 5%w/v sterile defibrinated blood : Cherry red coloured, opaque gel forms in Petri plates, which darkens on standing.

## Naugralabequipments

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