

**Product Name :**  
Azide Dextrose Broth

**Product Code :**  
NLAB-CHEMICALSIND21030

**Description :**

Azide Dextrose Broth

**Technical Specification :**

Azide Dextrose Broth

Azide Dextrose Broth is used for detection and enumeration of Streptococci in water, sewage, food and other materials suspected of sewage contamination.

**Directions**

Suspend 34.7 grams in 1000 ml distilled water for preparing single strength broth or use 69.4 grams in 1000 ml distilled water for double strength broth. Heat, if necessary, to ensure complete solution. Dispense in test tubes and sterilize by autoclaving at 118°C for 15 minutes.

**Principle And Interpretation**

Azide Dextrose Broth was initially formulated by Rothe, Mullmann and Seligmann for quantitative determination of Enterococci in water, sewage, foods and other materials suspected of contamination with sewage. Azide Dextrose Broth is a highly nutritious medium due to the presence of nutrient rich peptone special, HM peptone B and dextrose. Sodium azide inhibits growth of gram-negative bacteria, allowing Enterococci to grow. When large volumes of water samples are to be examined, double strength medium is used. Turbidity in tubes indicates presence of Enterococci, however, it should be further confirmed by inoculation in Ethyl Violet Azide Broth. Streptococci detected by the above media should be further identified using chemicals.

**Quality Control**

Appearance: Cream to yellow homogeneous free flowing powder

pH: 7.00-7.40

Reaction: Reaction of 3.47% w/v aqueous solution at 25°C. pH : 7.2±0.2

Colour and Clarity of prepared medium: Amber coloured clear solution without any precipitate.

## Naugralabequipments

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