

**Product Name :**  
Andrade Peptone Water

**Product Code :**  
NLAB-CHEMICALSIND21015

**Description :**

Andrade Peptone Water

**Technical Specification :**

Andrade Peptone Water

Andrade Peptone Water is a basal medium to which various carbohydrates can be added to study fermentation reactions.

**Directions:**

Suspend 15.1 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely and dispense in test tubes containing inverted Durhams tubes. Sterilize by autoclaving at 10 lbs pressure (115°C) for 20 minutes. Cool to room temperature and aseptically add sterile stock solution of carbohydrate to a final concentration of 1.0% (w/v).

**Principle And Interpretation**

Andrade Peptone Water is used for studying the various carbohydrate fermentation patterns of different organisms including *Vibrio cholerae* and *Vibrio parahaemolyticus*. Andrade indicator is a solution of acid fuchsin which when titrated with sodium hydroxide; changes colour from pink to yellow. The Andrade indicator changes colour from yellow to pink as the pH decreases. The medium is pink when hot but becomes straw coloured on cooling. Test carbohydrate solutions should be sterilized separately and aseptically added to sterile Andrade Peptone Water. The peptic digest of animal tissues used is free from fermentable carbohydrates and the medium is also free from nitrates which may interfere with gas production. The biochemical identification of organisms capable of growing in this medium is made by various sugar fermentation results. Use fresh cultures of organisms only which have been presumptively identified by Gram staining and colony morphology. For final identification further biochemical tests are required.

**Quality Control**

pH: 7.30-7.70

Appearance: Light yellow coloured with pink tinge homogeneous free flowing powder

Reaction: Reaction of 1.51% w/v aqueous solution at 25°C. pH : 7.5±0.2

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

## Naugralabequipments

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