



## Andrade's Indicator

I001

### Key Information

It is recommended to differentiate microorganisms on basis of carbohydrate fermentation.

### Composition\*\*

#### Ingredients

Acid fuchsin	0.5 gm
1N Sodium hydroxide	16.0ml
Distilled water	984.0ml

Note: Add few more drops of 1N Sodium hydroxide if the reagent is not sufficiently decolourized

\*\*Formula adjusted, standardized to suit performance parameters

### Principle And Interpretation

Andrade indicator is a solution of acid fuchsin which when titrated with sodium hydroxide changes color from pink to yellow. It is also used to differentiate microorganisms on the basis of carbohydrate fermentation in broth as well as agar media. Andrade Peptone Water and CLED Agar with Andrade Indicator are commonly used broth and agar media respectively. It becomes pink at acidic pH level (pH 5.0) and yellow at alkaline pH level (pH 8.0).

### Warning and Precautions

In Vitro diagnostic use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

### Performance

Performance of the product is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

### Quality Control

#### Appearance

Light yellow to brownish yellow coloured liquid.

#### Clarity

Clear without any particles.

#### Reaction

It becomes pink at acidic pH levels and yellow at alkaline pH levels (pH range 5 - 8).

### Storage

Store between 10- 30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

### Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (3,4).

## Reference

1. MacFaddin, J.F., (1985) Media for Isolation-Cultivation-Identification-Maintenance-of Medical Bacteria. Vol. 1. Williams and Wilkins. Baltimore.
2. Text Book of Medical Laboratory Technology ; Praful B. Godkar
3. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition.
4. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual

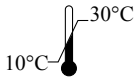
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In vitro diagnostic medical device



CE Marking



Storage temperature



Do not use if package is damaged



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