Andrade's Indicator

I001

Intended use

Andrade's Indicator is recommended to differentiate microorganisms on basis of carbohydrate fermentation.

Composition**

Ingredients

Acid Fuchsin	0.5 gm
1 N Sodium Hydroxide	16.0 ml
Distilled water	984.0 ml

Note: Add few more drops of 1N Sodium hydroxide if the reagent is not sufficiently decolourized
**Formula adjusted, standardized to suit performance parameters

Directions

1. Andrade's Indicator has wide range of application so follow apropriate direction as per application protocol.

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).

Type of specimen

Biological sample

Specimen Collection and Handling

Follow appropriate techniques for handling specimens as per established guidelines.

Warning and Precautions

In Vitro diagnostic use only. For professional 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.

Limitations

1. An indicator is not functional above its pH range because the indicator does not change color at these pH values.
2. If the substance or sample is contaminated, the color may be wrong.
3. Acid-base indicators show just one or two color changes.
4. Indicators measure pH at low accuracy, they only indicate sample acidity or alkalinity and not exact pH

Performance and Evaluation

Performance of the medium 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 and Shelf Life

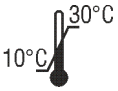
Store between 10- 30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

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.

Reference

1. Godkar B. P., 1996, Textbook of medical laboratory technology: 24(326)
2. Diagnostic Procedures & Reagents, APHA Inc., N.Y.C., 1970
3. Bergey's Manual of Systematic Bact., Volume 1, Krieg, et al., the Williams and Wilkins Co., Baltimore, MD, 1984.



Storage temperature

Do not use if package is damaged

In vitro diagnostic medical device

CE Marking

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