Neutral red indicator

I008

Intended Use:

Neutral red Indiator is a eurhodin dye used for staining in histology. NNNNBBm

Composition**

Ingredients

Neutral red	0.5gm
95%Ethanol	100ml

**Formula adjusted, standardized to suit performance parameters

Principle And Interpretation

Neutral red is a eurhodin dye used for staining in histology. It stains lysosomes red (1). It is used as a general stain in histology, as a counterstain in combination with other dyes, for many staining methods. Together with Janus Green B, it is used to stain embryonal tissues and supravital staining of blood. Can be used for staining Golgi apparatus in cells and Nissl granules in neurons. In microbiology, it is used in MacConkey agar and broth media to differentiate bacteria for lactose fermentation. It acts as a pH indicator, changing from red to yellow between pH 6.8 and 8.0 (2).

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 and Evaluation

Performace 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
Dark red coloured solution.

Clarity
Clear without any particles

Reaction
Reaction at pH 6.8, the indicator is red and at pH 8.0 the indicator turns yellow.

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 (3,4).

Reference

1. Winckler, J. Vital staining of lysosomes and other cell organelles of the rat with neutral Red. Prog. Histochem. Cytochem. 6, 1–89 (1974).
2. Chemistry infolab reagents and resources ; The preparation of titration indicators; Dhanal De Lloyd,chem.Dept
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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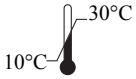
IVD — In vitro diagnostic medical device

CE Marking



Storage temperature

Do not use if package is damaged

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