



Bromo Cresol Purple Indicator

I003

Intended Use:

It is recommended as a protein probe in spectrophotometric determination of serum albumin.

Composition**

Ingredients

Bromocresol purple sodium salt	0.04 gm
Disilled water	100.0 ml

Note: Grind the indicator in mortar and then dilute to 100 ml by using disilled water.

**Formula adjusted, standardized to suit performance parameters

Principle And Interpretation

Bromocresol purple or 5,5'-dibromo-o-cresolsulphthalein, is a dye of the triphenylmethane family. It is a pH indicator. It is colored yellow below pH 5.2, and violet above pH 6.8 (1). Bromocresol Purple is a water soluble dye used as a protein probe. It has been used in the spectrophotometric determination of serum albumin (2). In microbiology, it is used for staining dead cells based on their acidity, and for the isolation and assaying of lactic acid bacteria (3).

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

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

Purple coloured solution.

Clarity

Clear solution, without any insoluble particles.

Reaction

At pH 5.2, the indicator turns yellow and at pH 6.8, the indicator is purple.

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. Hill, P.G. and Wells, T.N. 1983. Ann. Clin. Biochem. 20: 264-270. PMID: 6651190
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

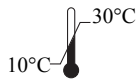
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In vitro diagnostic medical device



CE Marking



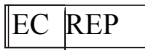
Storage temperature



Do not use if package is damaged



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