

**BA052**

**METHYL RED INDICATOR**

**Formula**

**Composition:**

Methyl red	0.10 g
0.2 N sodium hydroxide solution	1.85 ml
Alcohol, 90%	5.00 ml
Alcohol, 50%	To produce 250.00 ml.

**Directions:** Add 1-2 drops of methyl red indicator to 5 ml of a 24 - 48 hours old culture of the organism under investigation, interpret the colour result immediately. Acid produced due to fermentation of glucose by bacterial culture gives red colouration to the medium. Negative reaction is indicated by development of yellow colour.

**Quality control:**

**Appearance :** Pinkish red solution, Clear

**pH Range :** 4.4 - 6.2, : Red at pH 4.4 and Yellow at pH 6.2 at 25 °C

Result: Cultural response is observed after 18-24 hours at 37°C in MR-VP medium (B543) Methyl Red test is performed by using Methyl red indicator.

Organism	Growth	MR Test
Escherichia coli ATCC 25922	Luxuriant	Positive (Red colour observed)
Enterobacter aerogenes ATCC 13048	Luxuriant	Negative (Yellow colour observed)
Klebsiella pneumoniae ATCC 13383	Luxuriant	Negative (Yellow colour observed)

**Storage:** Below 30°C.

**Packing :** 100 ml

**Warning & Precautions :**

In Vitro diagnostic Use only. For laboratory use. 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.

**Use:** Recommended in IMViC test for detection of acid production from glucose fermentation.

**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.

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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