

TMT 004- MR-VP MEDIUM

INTENDED USE

To perform Methyl Red & Voges-Proskauer tests for enteric gram negative bacilli.

PRODUCT SUMMARY AND EXPLANATION

Ready prepared Methyl Red and Voges-Proskauer test are among the two various tests used in the biochemical identification of bacterial species. These tests were originally studied by Voges, Proskauer and subsequently by Clark and Lubs to differentiate between members of the coli- aerogens group. Both the tests are based on the detection of specific breakdown products of carbohydrate metabolism.

COMPOSITION

Ingredients	Gms / Ltr
Buffered peptone	7.000
Dextrose	5.000
Dipotassium phosphate	5.000

PRINCIPLE

This medium contains buffered peptone water, which supports growth of organisms. Dextrose serves as immediate carbon source.

INSTRUCTION FOR USE

Inoculate the sample and Incubate at specified temperature and time.

QUALITY CONTROL SPECIFICATION

Appearance of prepared medium	:	Light yellow coloured clear solution..
Quantity of Medium	:	10 ml of medium in tubes.
pH (at 25°C)	:	6.9 ± 0.2
Sterility Check	:	Passes release criteria

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Growth	VP test	MR test	Incubation Temperature	Incubation Time
<i>Escherichia coli</i>	25922	Luxuriant	Negative reaction, no colour change	Positive reaction, bright red colour	30-32°C	18-48 Hours
<i>Enterobacter aerogenes</i>	13048	Luxuriant	Positive reaction, eosin pink/red colour	Negative reaction, yellow colour	30-32°C	18-48 Hours
<i>Klebsiella pneumoniae</i>	23357	Luxuriant	Positive reaction, eosin pink/red colour	Negative reaction, yellow colour	30-32°C	18-48 Hours

PACKAGING:

Pack of 25 Ready-To-Use Liquid Medium tubes containing 10 ml in each tube.

Pack of 50 Ready-To-Use Liquid Medium tubes containing 10 ml in each tube.

STORAGE



On receipt, store tubes in the dark at 10-25°C. Avoid freezing and overheating. Do not open until ready to use. Minimize exposure to light. Tubed media stored as labeled until just prior to use may be inoculated up to the expiration date and incubated for the recommended incubation times. Allow the medium to warm to room temperature before inoculation.

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.

REFERENCES

1. Clark and Lubs, 1915, J. Inf. Dis., 17 : 160.
2. Voges and Proskauer, 1898, Zeit, Hyg., 28 : 20.
3. MacFaddin, J.F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. 1, Williams and Wilkins, Baltimore.
4. International Organization for Standardization (ISO), 1993, Draft ISO/DIS 6597.
5. Vaughn, Mitchell and Levine, 1939, J. Am. Water Works Association, 31:993.
6. Kallas, Chinn and Coulter, 1931, J. Bact., 22 : 125.
7. Werkman, 1930, J. Bact., 20 : 121.
8. O'Meara, 1931, J. Path. Bacteriol., 34 : 401.
9. Levine, Epstein and Voughn, 1934, Am. J. of Publ. Health, 24 : 505.
10. Barritt, 1936, J. Path. Bacteriol., 42 : 441.



Quantity



Lot / Batch Number



Temperature Unit



Manufacturer



Best Before



Certification of Good Manufacturing Practices



Catalogue No.



Authorized Representative



European Conformity



Consults Instructions for use :



QR Code



For In Vitro Diagnostic Use

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**

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