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# Product Name : VP Test - Reagent

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Kit of reagents for the execution of Voges-Proskauer test

## CONTENT OF THE PACKAGE

Alpha naphthol Reagent ..... 5 x 10ml  
NaOH 40% Reagent ..... 5 x 10ml  
1 Instruction sheet

## INTERPRETATION

Voges-Proskauer reaction distinguishes organisms that ferment glucose to acids from those that ferment to acetoin (2-3 butilenglicole fermentation). After 48 hours incubation ALPHA NAPHTHOL and NaOH 40% reagents are added to sample. Positive reaction to Voges-Proskauer test is highlighted by the formation of a red coloration obtained from acetyl-methyl-carbinol oxidation in the presence of alkali and oxygen.

## PROCEDURE

The VP test is performed on cultures of 48 hours of incubation prepared dissolving a pure culture in a tube of MR-VP Broth (MB-M1032) properly prepared. Add 3 drops of Alpha naphthol Reagent and 2 drops of NaOH 40% Reagent to 3 mL of broth culture. The positive test is given by the development of a bright red color 15 minutes after addition of reagents.

## INTERPRETATION OF THE RESULTS

Interpret the results according to the table;

### Color of the Test

bright red color

No color change

### VP Test - Reagent

Positive

Negative

## QUALITY CONTROL FOR USE

Each batch of Indole Test Stick is subjected to test for indole production, using bacterial strains :

Microorganism		VP Test - Reagent
<i>Escherichia coli</i>	ATCC 25922	-
<i>Enterobacter cloacae</i>	ATCC 13047	+

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### STORE

Store VP Test - Reagent at 2-6°C away from light in its original package, until the expiry date shown on the label. However, our stability studies have shown that the storage or transport at 18-25°C for 4 days, or at 35-39°C for 48 hours, do not alter in any way the performance of the product. Eliminate if signs of deterioration or contamination are evident.

### ELIMINATION OF THE USED MATERIAL

After use, VP Test Reagent and the material that comes in contact with the sample must be decontaminated and disposed in accordance with the techniques used in the laboratory for decontamination and disposal of potentially infectious materials.

### REFERENCES

- B Edwin H. Lenette: *Manual of Clinical Microbiology* (1995).
- Blazevic, D.J., and Ederer, G.M.: Principles of biochemical tests in diagnostic microbiology. 63-67. New York, John Wiley & Sons, 1975

### PACKAGE

Cat. No : MB-80280 VP Test – Reagent	100 tests
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