

V.P. Test-Reagent

Kit used for the execution of Voges-Proskauer test.

• CONTENTS

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

Storage condition : Store at 2 - 6 °C

• PROCEDURE

1. V.P. Test-Reagent is performed on 48 hours incubation at $35 \pm 2^\circ\text{C}$ cultures prepared dissolving a pure culture in a MR-VP Broth (MB-M1032) tube, suitably prepared.
2. Add 3 drops of Alpha Naphthol Reagent and 2 drops of NaOH 40% Reagent to 3ml of broth culture.
3. A positive response is given by the development of a red coloring after 15 minutes up to 1 hour from the addition of the reagents.

• INTERPRETATION

The V.P. Test-Reagent is performed on cultures dissolving a pure culture in a tube of MR-VP Broth (MB-M1032). 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 Reagent 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.

• QUALITY CONTROL FOR USE

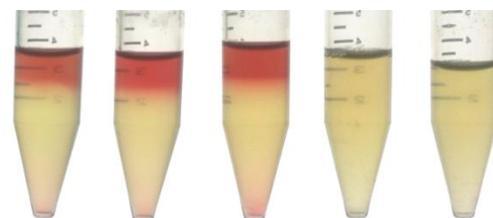
Appearance : Reagent A - clear
Reagent B - clear

Color : Reagent A - colorless to mauve
Reagent B - colorless

Incubation conditions : $35 \pm 2^\circ\text{C}$ / 48 hours

after addition of the reagents, room temperature / 15 minutes up to 1 hour

Microorganism		V.P. Test-Reagent
<i>Enterobacter cloacae</i>	ATCC 7256	+
<i>Enterobacter aerogenes</i>	ATCC 13048	+
<i>Klebsiella pneumoniae</i>	ATCC27736	+
<i>Escherichia coli</i>	ATCC 25922	-
<i>Citrobacter freundii</i>	ATCC 8090	-



E. cloacae *E. aerogenes* *K.pneumoniae* *E.coli* *C.freundii*

• STORE

Store V.P. Test-Reagent at 2 - 6°C away from light in its original package, until the expiry date shown on the label. Keep away from sources of heat and avoid excessive changes of temperature. Do not use after expiry date. Dispose of them if they show signs of deterioration. Eliminate if signs of deterioration or contamination are evident.

• PRECAUTION

The package of V.P. Test-Reagent does not contain substances classified as hazardous under current legislation. The kit is used only for diagnostic use in vitro. After use, V.P. 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

1. Bachoon, Dave S., and Wendy A. Dustman. Microbiology Laboratory Manual. Ed. Michael Stranz. Mason, OH: Cengage Learning, 2008. Exercise 15, "Normal Flora of the Intestinal Tract" Print.
2. B Edwin H. Lenette: Manual of Clinical Microbiology (1995).
3. Blazevic D.J. and Ederer G.M. Principles of biochemical tests in diagnostic microbiology. 63-67. New York. John Wiley & Sons.1975
4. Isenberg H.D. Clinical Microbiology Procedures Handbook. Vol. I, II, III. American Society for Microbiology. Washington D.C.
5. MacFaddin J. F. 1980. Biochemical Tests for Identification of Medical Bacteria. 2nd ed. Williams and Wilkins. Baltimore.
6. Tille P. et al. Bailey and Scott's Diagnostic Microbiology. C.V. Mosby Company. St. Louis MO.
7. Versalovic J. et al. Manual of Clinical Microbiology. American Society for Microbiology. Washington D.C.

• PACKAGE

Cat. No : MB-80280 V.P. Test-Reagent	Reagent A [5 x 10mL] Reagent B [5 x 10mL]
---	--