

# VP Test EP

Kit used for the identification and determination of bacteria by Voges-Proskauer test.

## • CONTENTS

Alpha Naphthol Reagent A	5 x 10 mL
KOH 40% Reagent B	5 x 10 mL
1 Instruction sheet	

**Storage condition** : Store at 2 - 6°C

## • PROCEDURE

1. Inoculate the fresh cultures to the MR-VP Broth.
2. Incubate at  $35 \pm 2^\circ\text{C}$  for 48 hours.
3. Add 15 drops of Alpha Naphthol Reagent A and 5 drops of KOH 40% Reagent B to 3 mL of broth culture.
4. Vortex the tube gently for several seconds.
5. Observe the development of red color within 15 minutes up to 1 hour after the addition of reagents.

## • INTERPRETATION

VP Test EP is a kit used for the identification and determination of bacteria by Voges-Proskauer test. Voges-Proskauer reaction distinguishes organisms that ferment dextrose to acids, acetoin (acetylmethylcarbinol). After 48 hours incubation, Alpha Naphthol Reagent A and KOH 40% Reagent B are added to samples. Positive reaction 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

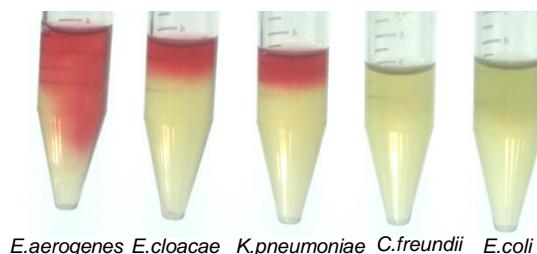
Color : Reagent A - colorless to mauve

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		VP Test EP
<i>Enterobacter aerogenes</i>	ATCC 13048	+
<i>Enterobacter cloacae</i>	ATCC 7256	+
<i>Klebsiella pneumoniae</i>	ATCC 27736	+
<i>Citrobacter freundii</i>	ATCC 8090	-
<i>Escherichia coli</i>	ATCC 25922	-



## • STORE

Store the kit at 2 - 6°C in its original package tightly closed and use it before the expiry date on the label. Keep away from sources of heat and avoid excessive changes of temperature.

## • 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-80281 VP Test EP	Reagent A [5 x 10mL] Reagent B [5 x 10mL]
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