

Product: MR-VP Broth

Catalog Number: i23249

Lot Number:

Date of Release:

Expiration Date:

Dehydrated Appearance: Fine, homogeneous, free of extraneous material.

Solution: 1.7% solution, soluble in purified water. Solution is pale to light, yellow to tan, clear to slightly hazy.

Prepared Appearance: Pale to light, yellow to tan, clear to slightly hazy.

pH of 1.7% solution at 25 °C: 6.9 ± 0.2

Cultural Response: Inoculate MR-VP Broth with growth from a single colony. Incubate at $35 \pm 2^\circ\text{C}$ for 48 hours Proceed with Methyl Red or Voges-Proskauer test.

Methyl Red Test: Transfer 2.5 mL of the MR-VP Broth culture to a tube (13 x 100mm). Add 5 drops of Methyl Red and observe for a color change.

Voges-Proskauer Test: Transfer 2.5 mL of the MR-VP Broth culture to a tube (13 x 100mm). Add 0.3 mL (6 drops) of Voges-Proskauer Reagent A (5% α -naphthol). Add 0.1 mL (2 drops) of Voges-Proskauer Reagent B (40% KOH). Gently agitate the tube and let stand for 10 – 15 minutes. Observe for a color change.

Organism	ATCC*	Recovery	Methyl Red	Voges-Prokauer
<i>Citrobacter freundii</i>	8454	Good	+ (red)	- (no change)
<i>Enterbacter aerogenes</i>	13048	Good	- (yellow)	+ (red)
<i>Escherichia coli</i>	25922	Good	+ (red)	- (no change)
<i>Serratia marcescens</i>	14756	Good	\pm	+

*ATCC is a registered trade mark of the American Type Culture Collection.

QC Department