

**Product: Voges-Proskauer Solution B**

**Catalog Number:** iR94002

**Lot Number:**

**Expiration Date:**

**Application:**

This reagent is used in Voges-Proskauer test for detection of acetoin production by bacterial culture along with Voges-Proskauer Solution A.

**Composition:**

Potassium Hydroxide 4.0 g

Distilled Water 10 ml

**Directions:**

Grow test culture in MR-VP Medium. Add 0.6 ml (6 drops) of Voges-Proskauer Solution A and 0.2 ml (2 drops) of Voges-Proskauer Solution B for 2.5 ml medium. Shake tubes gently for 30 seconds to 1 minute to expose the medium to atmospheric oxygen in order to oxidize the acetoin (Acetylmethylcarbinol) so as to obtain a color reaction. Allow tube to stand at least 30 to 45 minutes.

**Quality control:**

Appearance: Colorless solution.

Clarity: Clear solution without any particles. Note: On storage of the reagent, precipitate may develop. This will not affect the performance criteria of the reagent.

Cultural Response: Biochemical identification was carried out by adding 0.6 ml of Voges-Proskauer Solution A and 0.2 ml of Voges-Proskauer Solution B in 48 hours old cultures grown in MR-VP Medium.

Microorganism (ATCC)	Growth	VPTest
<i>E. aerogenes (13048)</i>	Very Good	Positive (Pink-Red)
<i>E. coli (25922)</i>	Very Good	Negative
<i>K. pneumoniae (13883)</i>	Very Good	Positive (Pink-Red)

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

QC Department