

## 07689 O'Meara's Reagent

The reagent is used in Voges-Proskauer test for the detection of acetoin production by bacterial culture.

### Composition:

Potassium hydroxide 40g  
Creatine 0.3g  
Distilled water 100ml

### Directions:

Grow test culture in MR-VP Medium. Remove aseptically an aliquot for the methyl red test. Add 1.0 ml O'Meara's reagent. Shake tubes gently for 30 seconds to 1 minute to expose the medium to atmospheric oxygen in order to oxidize the acetoin so as to obtain a color reaction. Allow tube to stand at 35°C or room temperature for 4 hours. Acetoin produced in the medium by bacterial culture is oxidized under alkaline conditions in presence of air to form diacetyl which reacts with creatine to give a pinkish red compound.

Test Organisms (ATCC)	Growth	Voges-Proskauer Reduction
<i>E. aerogenes</i> (13048)	luxuriant	+
<i>E. coli</i> (25922)	luxuriant	-
<i>K. pneumoniae</i> (13883)	luxuriant	+

+ = red colour formation

- = no red colour formation

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

