

# Urea Rapid Test

Kit used for the detection of urease produced by *Proteus*, *Klebsiella* and certain Yeasts.

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Urea Rapid Test 30 tubes  
 Vaseline Oil Reagent 3 mL  
 1 Instruction sheet  
**Storage condition** : Store at 2 - 6 °C

## • PROCEDURE

1. Take a tube from the refrigerator and leave it on the test bench at room temperature.
2. With a sterile loop, suspend a well isolated bacterial colony.
3. Add 2 - 3 drops of vaseline oil reagent.
4. Inoculate the tube and incubate at  $35 \pm 2^{\circ}\text{C}$  for 4 - 24 hours.

## • INTERPRETATION

Urea Rapid Test is a kit used for the detection of urease produced by *Proteus*, *Klebsiella* and certain Yeasts. Microorganisms that produce urease hydrolyze urea into ammonia, water and carbon dioxide. The presence of ammonia products alkalize the medium and induces a new indicator color change from yellow to red. The negative reaction is shown by the appearance of a yellow color in the tube, while the positive reaction is shown by a red color.

## • QUALITY CONTROL FOR USE

Appearance : clear

Color : yellow

Incubation conditions :  $35 \pm 2^{\circ}\text{C}$  / 4 - 24 hours

Microorganism		Urease Production
<i>Proteus vulgaris</i>	ATCC 13315	+ (Red)
<i>Escherichia coli</i>	ATCC 25922	- (Yellow)



None P.vul E.col

## • STORE

Store Urea Rapid Test 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 Urea Rapid Test does not contain substances classified as hazardous under current legislation. The kit is used only for diagnostic use in vitro. After use, Urea Rapid Test 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. Christensen, W.B. (1946). J. Bact. 52: 461-466.
2. Maslen, L.G.C. (1952). Brit. Med. J. 2: 545-546.

## • PACKAGE

Cat. No : MB-88011 Urea Rapid Test	30 tubes Reagent 3 mL
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