

# Ornithine Decarboxylase Test

Kit used for the identification and determination of microorganisms, especially Enterobacteria, based on the decarboxylation of ornithine.

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Ornithine Decarboxylase 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

Ornithine Decarboxylase Test is a kit used for the identification and determination of microorganisms, especially Enterobacteria, based on the decarboxylation of arginine. Sugar in this medium is fermented by all the enterobacteria with consequent initial color change of indicator system from purple to yellow. The acid medium supports the amino acid decarboxylation with formation of putrescine. The amines production alkalize the medium and induces a new indicator color change from yellow to purple. The negative reaction is shown by the appearance of a yellow color in the tube, while the positive reaction is shown by a purple color.

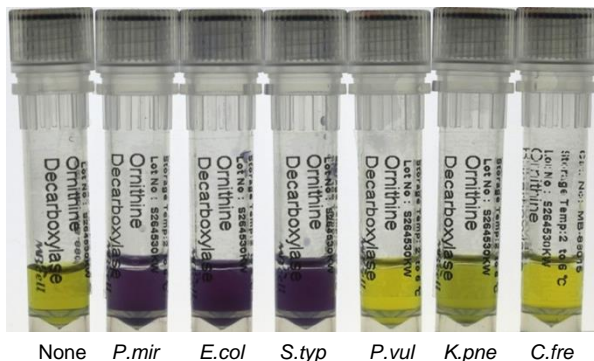
## • QUALITY CONTROL FOR USE

Appearance : clear

Color : yellow

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

Microorganism		Ornithine Decarboxylation
<i>Proteus mirabilis</i>	ATCC 25933	+ (Purple)
<i>Escherichia coli</i>	ATCC 25922	+ (Purple)
<i>Salmonella typhimurium</i>	ATCC 14028	+ (Purple)
<i>Proteus vulgaris</i>	ATCC 13315	- (Yellow)
<i>Klebsiella pneumoniae</i>	ATCC 27736	- (Yellow)
<i>Citrobacter freundii</i>	ATCC 8090	- (Yellow)



None P.mir E.col S.typ P.vul K.pne C.fre

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## • STORE

Store Ornithine Decarboxylase 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 Ornithine Decarboxylase Test does not contain substances classified as hazardous under current legislation. The kit is used only for diagnostic use in vitro. After use, Ornithine Decarboxylase 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

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## • PACKAGE

Cat. No : MB-88015 Ornithine Decarboxylase Test	30 tubes Reagent 3 mL
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