

Product Name : E.coli Test

Rapid test for *Escherichia coli* identification.

CONTENT OF THE PACKAGES

Proteic Substrate Mixture 30 tubes
Kovac's- Reagent 3 mL
1 Instruction Sheet

ITEMS NECESSARY NOT INCLUDED IN THE PACKAGES

- Physiological Solution (MB-20095)

DESCRIPTION

E.coli Test is a rapid test for *Escherichia coli* identification.

PRINCIPLE OF THE METHOD

E.coli Test emphasizes three important biochemical reactions to differentiate E. coli from other enterobacteria; reactions are ONPG, fluorescence and indole production.

USE

- Pick up one tube from the kit and add 0.3 mL of Physiological Solution (MB-20095).
- With a sterile loop, suspend inside the tube one colony well isolated from selective medium for enterobacteriaceae.
- Close and incubate the tube in thermostat at 37°C for 1-4 hours until maximum 24 hours..
- After this period, observe the suspension's toning, emission of fluorescence under Wood lamp, add 2drops of Kovac's-reagent for Indole test and interpret the test.

INTERPRETATION OF THE RESULTS

Development of a yellow coloration (ONPG +), emission of fluorescence and development of pink-red ring (Indole +) indicates presence of E. coli.

QUALITY CONTROL

Each batch of E.coli Test is submitted to the quality control using the following microorganisms :

Microorganism		Fluorescence	ONPG Test	Indole Production
<i>Escherichia coli</i>	ATCC 25922	+	+	+
<i>Enterococcus faecalis</i>	ATCC 29212	-	+	-
<i>Proteus vulgaris</i>	ATCC 13315	-	-	+
<i>Salmonella typhimurium</i>	ATCC 14028	-	-	-

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PRECAUTIONS

E.coli Test is not classified as hazardous under current legislation, neither does it contain noxious substances in concentrations $\geq 1\%$. E.coli Test is a disposable device to be used only for diagnostic use *in vitro*. It is intended for use in a professional environment and must be used in the laboratory by properly trained personal, using approved asepsis and safety methods for handling pathogenic agents.

STORAGE

Store E.coli Test at 2-6 °C in its original package. In such conditions the product is valid until the expiry date shown on the label. Do not use them beyond that date. Dispose of them if they show signs of deterioration.

DISPOSAL OF USED MATERIAL

After the use, E.coli Test and the material that has come into contact with the sample must be decontaminated and disposed of in accordance with the laboratory procedures for the decontamination and disposal of potentially infected material.

REFERENCES

- Bailey and Scott's: Diagnostic Microbiology. 7th edition, Mosby Company (1986).
- Lenette E.H.: Manual of Clinical Microbiology. 4th edition, A.S.M. (1985).

PACKAGING

Cat. No : MB-88006 E.coli Test	30 tubes, 3 ml Kovac's
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