

## TMK 02- PA E.COLI KIT (100 ml capacity & Dehydrated Culture Medium-3X Concertation)

### INTENDED USE

For detection of presence and absence of coliform bacteria in water.

### PRODUCT SUMMARY AND EXPLANATION

There is a need for rapid methods to quickly determine the indicator bacteria and pathogens in water. Monitoring microbiological quality of drinking water relies on examination for indicator bacteria such as coliforms by using rapid kits. PA E. coli kit is one such kit used for rapid detection of coliforms in water. It is user-friendly and allows low-cost rapid test. It is also suitable for handling by untrained personnel for monitoring of rural drinking water sources.

### KIT CONTAINS

- PA Medium( 9.15g)
- Sterile PET bottle 200ml
- Sterile poly bag

### PRINCIPLE

The kit medium contains all the essential nutrients required for the growth of coliforms, including *Escherichia coli*. Presence of *Escherichia coli* and coliforms is indicated by colour change of broth to yellow from initial purple colour. No colour change of broth indicates absence of coliforms.

### INSTRUCTION FOR USE

1. Carefully remove the bottle cap and collect 100ml water sample in provided bottle.
2. Add PA Medium into collected water sample. Provided sterile poly bag can be used to collect the water sample.
3. Quickly re-cap the test bottle and secure it tightly.
4. Shake well to dissolve the medium completely and incubate at 35-37°C for 18 - 48 hours and take observation.

### QUALITY CONTROL SPECIFICATIONS

Appearance of powder	:	Cream to yellow colored, homogeneous powder
Appearance of Medium	:	Purple coloured clear solution on addition of water
Sterility Test	:	Passes release criteria

### INTERPRETATION

Cultural characteristics observed after Incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Colour of the medium	Incubation Temperature	Incubation Period
# <i>Klebsiella aerogenes</i>	13048	50-100	Luxuriant	Light Yellow	35-37°C	18-48 Hours
<i>Escherichia coli</i>	25922	50-100	Luxuriant	Yellow	35-37°C	18-48 Hours
<i>Enterococcus faecalis</i>	29212	50-100	Inhibited	-	35-37°C	18-48 Hours
<i>Klebsiella pneumoniae</i>		50-100	Good-Luxuriant	Yellow	35-37°C	18-48 Hours
S. serotype Typhimurium	14028	50-100	Good-Luxuriant	Turbid purple	35-37°C	18-48 Hours
S. serotype Typhimurium	23564	50-100	Good-Luxuriant	Turbid purple	35-37°C	18-48 Hours



# Formerly known as *Enterobacter aerogenes*

## STORAGE

Store the medium in a dark and dry place 10-25°C and protect from direct sunlight. The powder may be used up to the expiration date and incubated for the recommended incubation times.

**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, or any other signs of deterioration.

## DISPOSAL

After use, prepared media, specimen/sample containers and other contaminated materials must be sterilized before discarding as per standard protocol.



Quantity



Lot / Batch Number



Temperature Unit



Manufacturer



Best Before



Certification of  
Good Manufacturing Practices



Catalogue No.



Authorized Representative



European Conformity



Consults Instructions for use :



QR  
Code



For In Vitro Diagnostic Use

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

**\*For Lab Use Only**  
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