

## TMK 01- WATER TESTING KIT (COLI-CHECK)

### INTENDED USE

For detection of Coliforms in potable 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 potable water relies on examination for indicator bacteria such as coliforms by using rapid kits. Water testing 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

- Glass vial containing broth media
- Sterile bottle 200ml

### PRINCIPLE

The broth 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 fill the water sample up to the mark indicated.
2. Add Broth medium into the collected water sample.
3. Quickly re-cap the test bottle and secure it tightly.
4. Shake well and incubate at 30-35°C for 18 - 48 hours and take observation.

### QUALITY CONTROL SPECIFICATIONS

<b>Appearance of Powder</b>	:	Cream to yellow colored, homogenous powder
<b>Appearance of medium</b>	:	Purple coloured clear solution
<b>Sterility Check</b>	:	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	Yellow	30-35°C	18-48 Hours
<i>Escherichia coli</i>	25922	50-100	Luxuriant	Yellow	30-35°C	18-48 Hours

# Formerly known as *Enterobacter aerogenes*

### STORAGE

Store the medium in a dark and dry place at 10- 25°C and protect from direct sunlight. The medium 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.



**QTY.**  
Quantity

**LOT/  
B. NO.**  
Lot / Batch Number

  
Temperature Unit

  
Manufacturer

  
Best Before

**GMP**  
Certification of  
Good Manufacturing Practices

**REF**  
Catalogue No.

**EC REP** MedNet GmbH  
Buckstrasse 10,  
48163 Münster, Germany  
Authorized Representative

**CE**  
European Conformity

  
Consults Instructions for use :

  
QR  
Code

**IVD**  
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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