



Cat. No. 052-827

MicroQuik

Rapid Identification of Total Coliforms

The MicroQuik test is intended for the rapid identification of *Total Coliforms* from a first growth culture plate.

PRINCIPLES:

MicroQuik utilizes a chromogenic substrate which, when hydrolyzed by a specific enzyme (during peptide hydrolysis), produces a blue/purple color.

PERFORMANCE CHARACTERISTICS:

Over 300 isolates were tested with the MicroQuik test card, with a correlation of greater than 99%, when compared to traditional biochemical testing.

CONTENTS OF THE KIT:

Each kit contains sufficient components for 25 tests:

1 Bottle of Reagent A (Buffer)
25 MicroQuik Test Cards
1 Product Insert

MATERIALS NOT PROVIDED:

Swabs, inoculating needles, wooden applicator sticks
Positive and Negative Control Microorganisms

WARNINGS AND PRECAUTIONS:

Care should be taken against the hazards of viable bacteria. Do not touch the filter membrane before, or after use. Sterilize cards before discarding.

EVIDENCE OF DETERIORATION:

Do not use the test card after the expiration date has passed, or if the filter is no longer white, which could make the results invalid.

STORAGE CONDITIONS \mathcal{X}

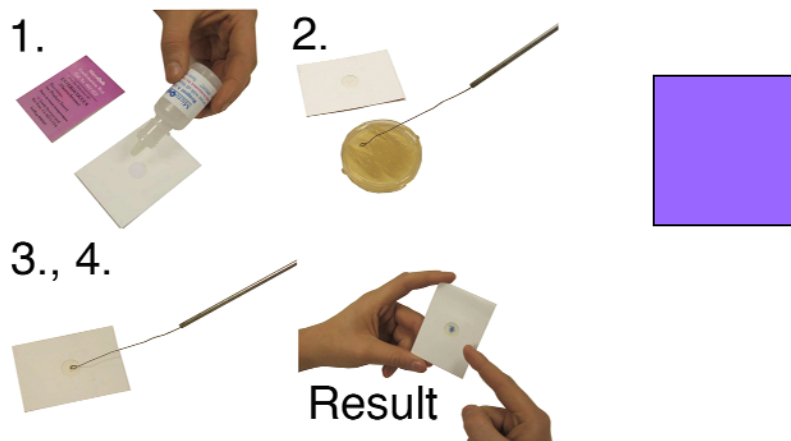
All materials can be stored at room temperature. Refrigeration storage does not harm the test.

USER QUALITY CONTROL:

Before using the MicroQuik test, each lot number should be checked with positive and negative controls, using known stock strains of a *Coliform*, and another strain of bacteria that is not a *Coliform*.

TESTING PROCEDURES:

1. Add 1 drop of Reagent A to the filter membrane.
2. Select colonies that morphologically resemble *Coliforms*.
3. Touch the tops of 2-3 colonies with a loop, inoculating needle, swab, or wooden applicator. Smear the colonies onto the filter membrane of the test card.
4. Set aside the inoculated card at room temperature for 25 minutes.
5. After 25 minutes, look for a blue/purple color around the smeared colonies. This is a positive test. The test is negative if no blue/purple color appears. A positive test is indicative of *Coliforms*.



LIMITATIONS OF THE TEST:

Occasionally some species of other microorganisms *may* produce small amounts of enzyme, which can produce a positive test from culture. This is extremely rare.

Technical Alert for Quality Control: MicroQuik detects bacterial enzymes, which may dissolve in liquids. Serial dilutions of bacteria may not give a positive reaction. Therefore, all confirmation testing must be done with plated colonies.



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