

## E. COLI/COLIFORM VERIFICATION KIT INSTRUCTION

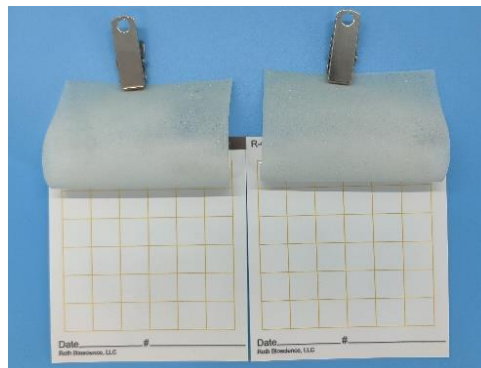
This Kit is designed to quickly and easily determine if a colony (cfu) growing on your R-CARD® ECC that does not match the commonly expected results (too small/large, questionable color—too green, red, etc.) is or is not E. coli or Coliform.

### The Kit consists of:

- One R-CARD® (#1) containing the single enzyme substrate GLUCURONIDASE
- One R-CARD® (#2) containing the single enzyme substrate GALACTOSIDASE
- Two small clips (#3-4) used to hold the top R-CARD® part open.
- Individually packaged sterile 1 mL droppers.
- Individually packaged sterile tooth picks.

### PROCEDURE FOR USE:

1. Place the two cards side by side on a clean flat surface and use a clip to attach to the bottom edge of the top part, and lift it up and over the bottom part so that the bottom part is exposed. (Do the same for both Cards)



2. Open the sterile dropper and deposit 1-2 drops of sterile (boiled and cooled water is OK) on the surface of each R-CARD® (Try to use the same area on each card so it is easy to match the two areas as the same test. If you do this, you can do multiple tests on one set of Cards.) Hint—start close to the top of the open cards and work across and then down for subsequent different tests done over a number of days if you wish.
3. Once you have deposited the small (1-2) drops of water, use a sterile toothpick to remove the test colony and touch it to each of the water puddles on each of the two R-CARD®.

- Now each card is inoculated and now lift the tops by holding the clips and release the top so that it drops to cover the inoculated drops containing the test culture bacteria.
- Incubate in a warm place or preferably at the temperature where they grew (35° C).
- Check for color in 20-24 hr. If there is a colored growth spot (teal/green on Card #1) and a colored growth spot (pink) on Card #2) , the test colony is verified as E. coli. If only one or no spots show color, the test colony is not E. coli.
- If Card #1 has no colored teal/green growth, but Card #2 shows pink/red growth, the tested colony is verified as a Coliform.

