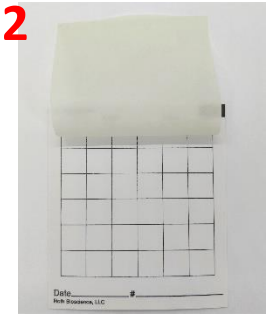
Testing 2mL-100mL Aqueous Samples on R-CARD® Using Micropore Membrane Filter

1. Filter water sample using 47 mm, 0.45 µm filter following the standard procedure for water analysis.
2. Lift the top film of the R-Card®
3. Use a sterile forceps to remove the membrane filter from the funnel.
4. Place the membrane filter (right side up) into the bottom piece of the R-Card®
5. Deposit 1mL of sterile (deionized or distilled) water on the membrane filter.
6. Drop top film down and wait 1 minute to allow liquid to spread automatically.
7. Incubate at the preferred temperature, according to specific test protocol. Incubate for prescribed times and observe and record the results.
8. Count the number of colonies (CFU's) and multiply times the number of the filtered sample mL to give the number of target organisms/mL of sample.

For example, in photo#7, there are 78 green CFU's, which means that if 100 mL of water (sample) had been filtered, there were 7800 target organisms/mL of the test water.

1

2



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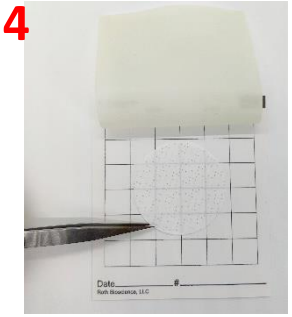

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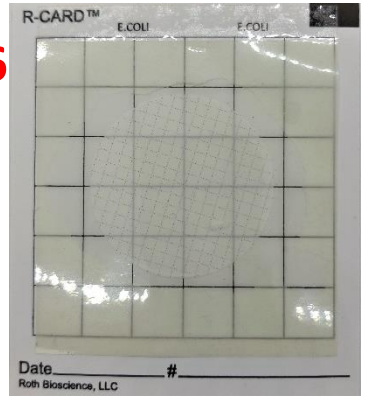
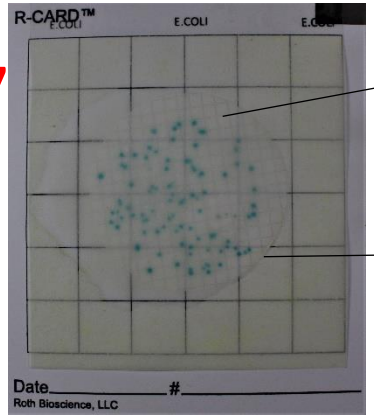
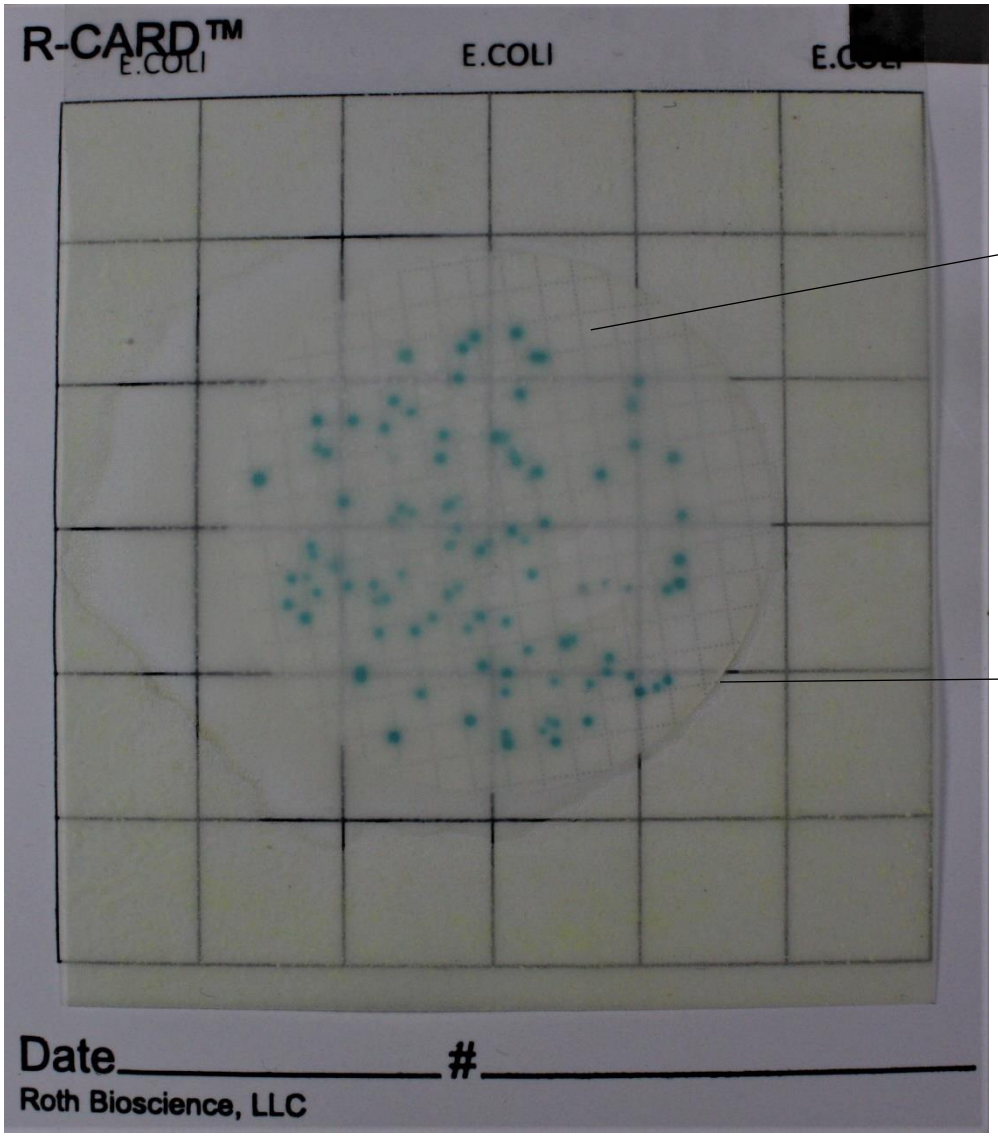


7



Top lines of micropore filter

Edge of micropore filter



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