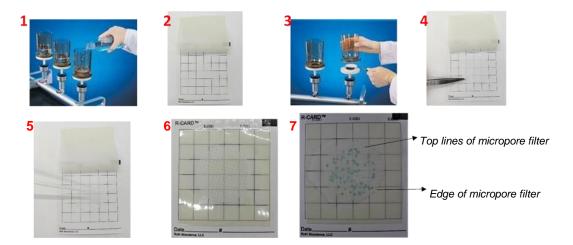


## Testing 2mL-100mL Aqueous Samples on R-CARD<sup>®</sup> Using Micropore Membrane Filter

- 1. Filter water sample using 47 mm, 0.45  $\mu$ m 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, distilled, or buffer solution) 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 divide by the number of the sample size (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 0.78 target organisms/mL of the test water.



Improving lives around the world by identifying microorganisms with simple, easy to use technologies.