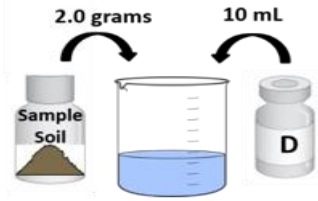


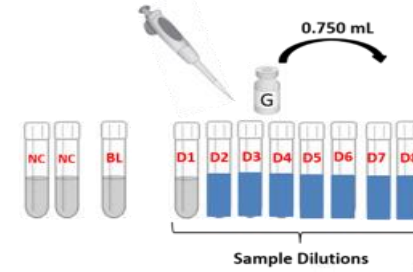
1. Mix 2.0 grams of soil sample with 10 mL of Sedi-Tox diluent mix to homogenize for 10 minutes at room temperature



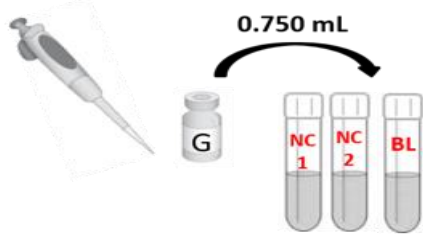
2. Rehydrate bacteria with solution C



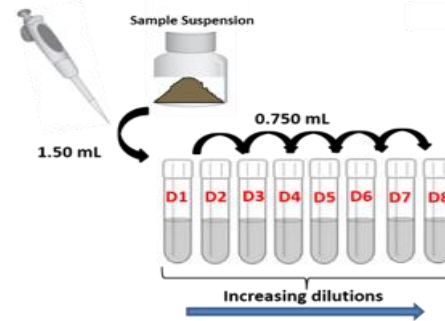
3. Prepare test tubes for sample dilutions by pipetting 0.750 mL of diluent into proper tubes



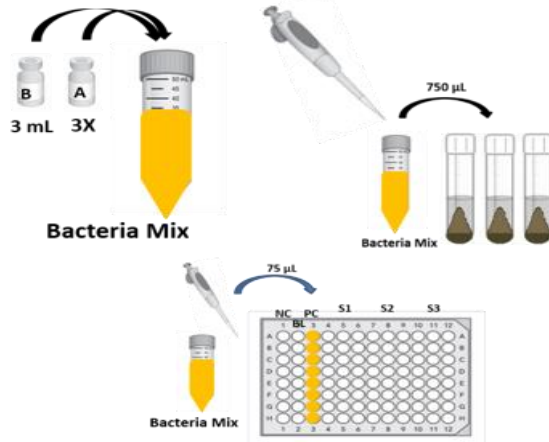
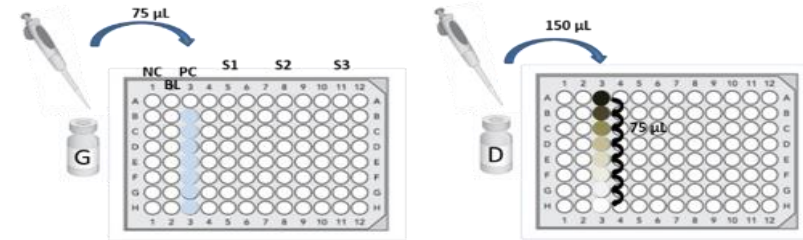
4. Pipette 0.750 mL of diluent into negative control tubes and blank tube



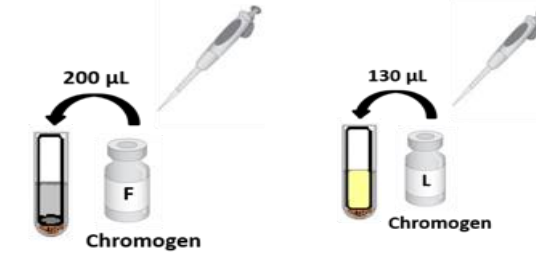
5. Add sample suspension to first tube in dilution series, perform set of 2 fold dilutions



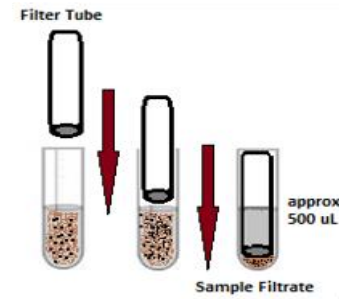
6. Prepare plate by setting up a column containing 8 2 fold dilutions of the HgCl2 positive control



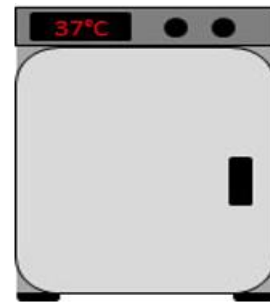
10. Add chromogen and stop solution to tubes and microplate



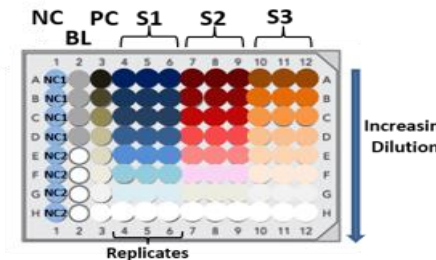
9. Filter samples initially



8. Incubate at 37 C for 2 h



7. Dilute bacteria in reaction solution and add bacteria to sample tubes, negative control tubes and positive control column on microplate



11. Pipette samples from tube onto microplate to observe results and compare colour change