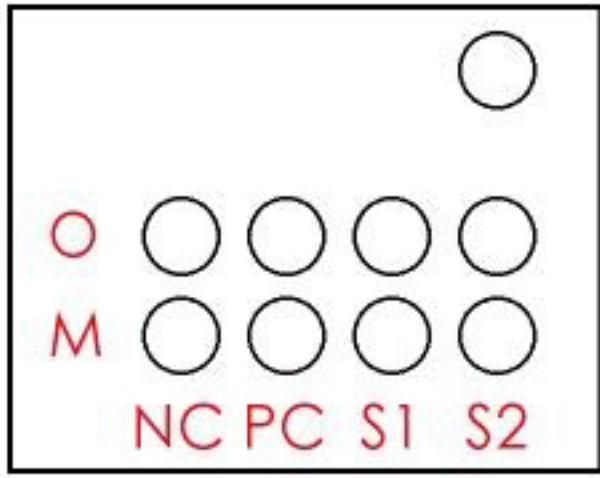
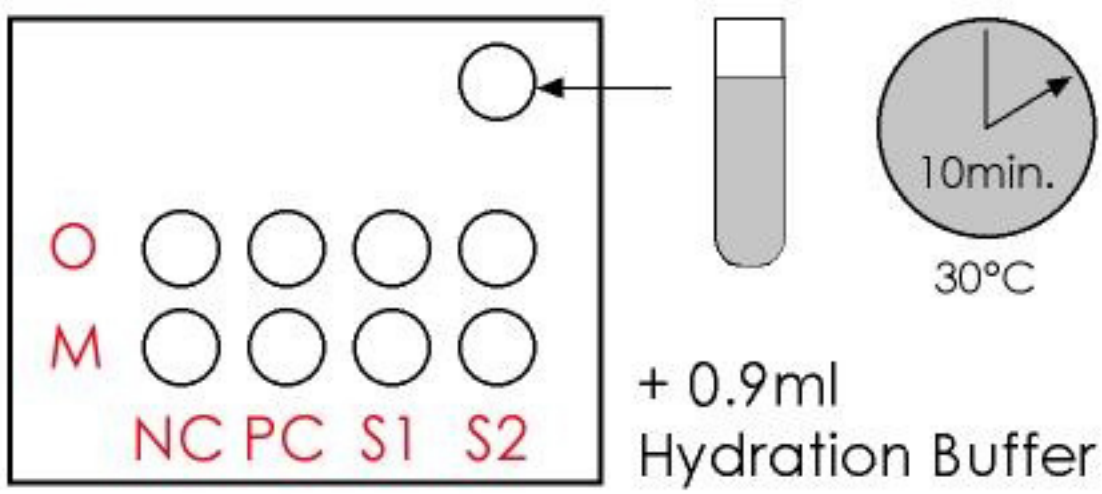


Step 1 Preparations



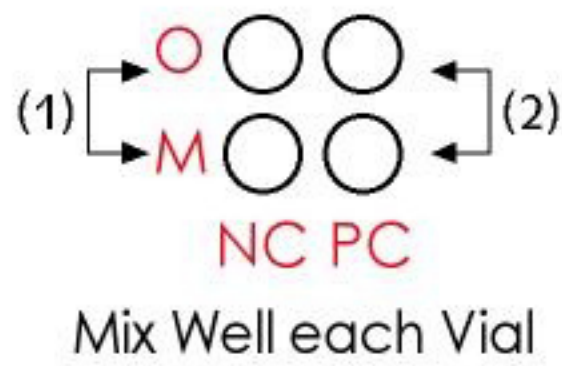
Turn ON incubator.
In the designated foam slots, place 8 freeze-dried vials marked:
M-NC, M-PC, M-S1, M-S2
O-NC, O-PC, O-S1, O-S2
Place 8 plastic tubes inside incubator.
Collect 2 water samples.

Step 2 Hydrate Bacteria & Incubate



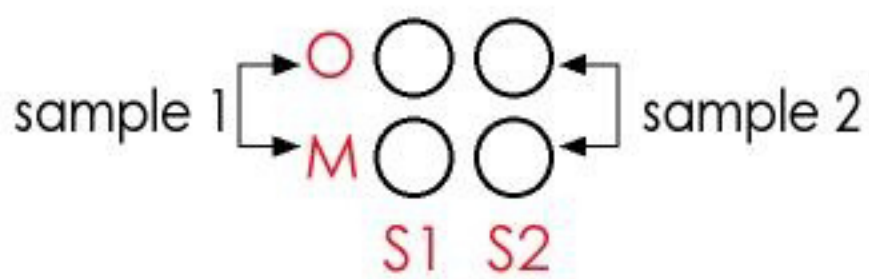
Step 3 Add Clean Water

- (1) + 0.9ml to negative control
- (2) + 0.9ml to positive control

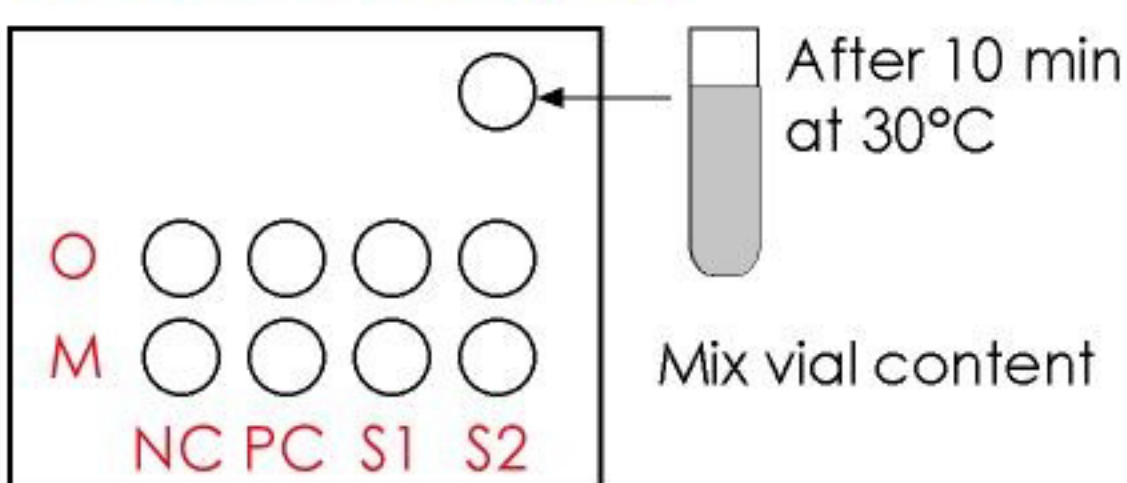


Step 4 Add Samples

- (1) + 0.9ml sample 1 & Mix Well
- (2) + 0.9ml sample 2 & Mix Well



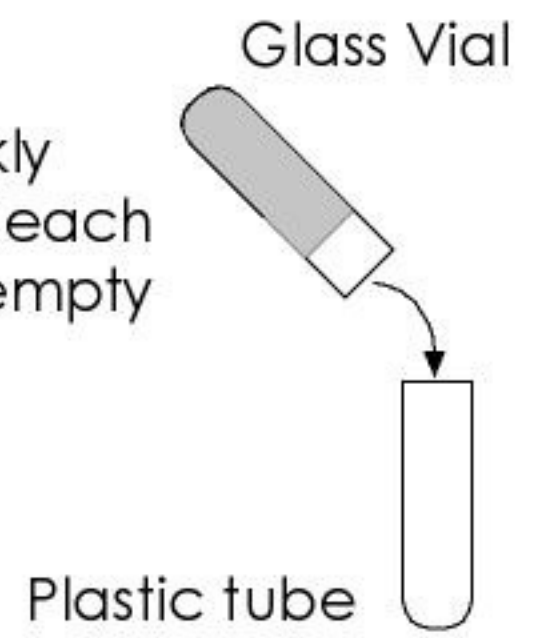
Step 5 Biosensor addition



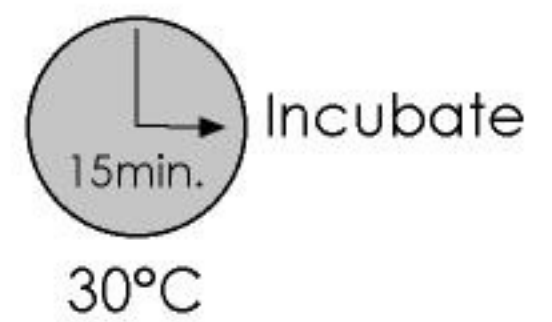
Add 0.1 ml to each vial

Step 6 Liquid transfer

Carefully and quickly pour the content of each vial into its parallel empty plastic tube in the incubator.



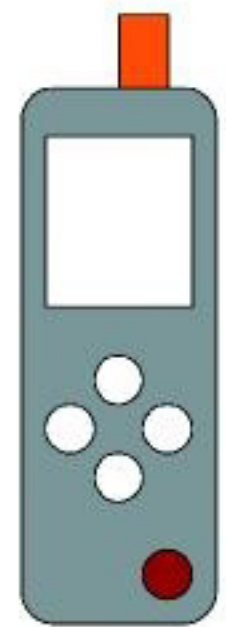
Step 7 Mixing & Incubation



Step 8 Read results

Use holder and insert each plastic tube in the following order:

- M-NC
- M-PC
- M-S1
- M-S2
- O-NC
- O-PC
- O-S1



Step 9 Analyze data

Enter data to Excel module or calculate manually:

- NC (Negative Control) → 100% baseline
- PC (Positive Control) → Should be at least 50% less than NC
- if **Sample** (S1, S2) indicates more than 50% change compared to NC → **Toxicity Alert!!!**



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