COMPARATIVE ANALYSIS FLOW-CHART

Sample

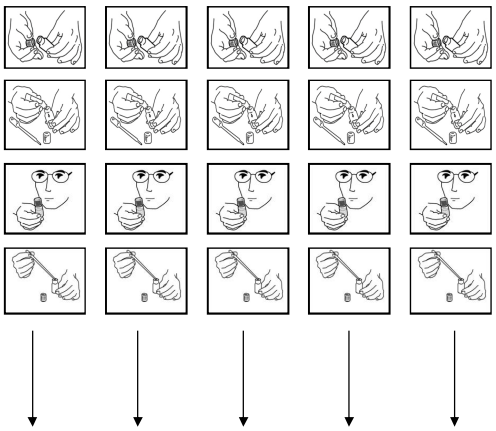
↓ Add 2 ml of sterile saline solution

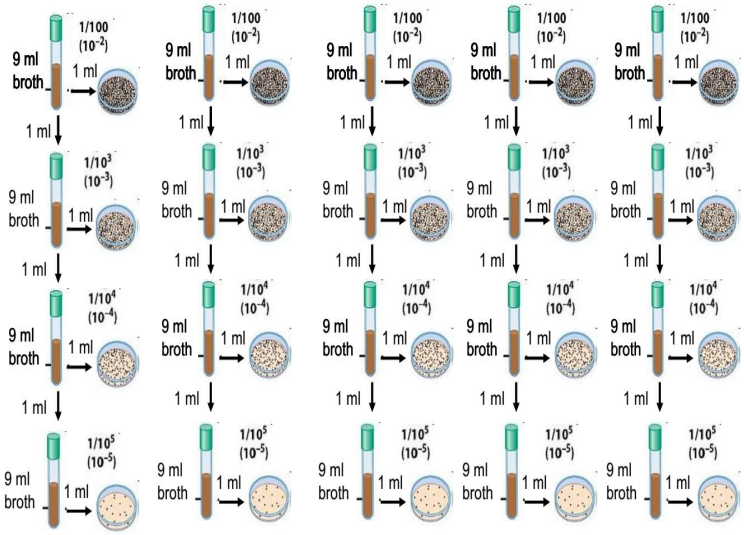
Dissolved sample (2 ml) — Shake until *sample* is completely dissolved

↓ Take 1 ml of *dissolved sample* and put it into 9 ml of sterile saline solution

1: 10 sample (10 ml)

Take 10 times 1 ml of the *1:10 sample* (for a total of 10 ml)





REPEAT FIVE FOLD: (see GB 4789.2-2010 from 6.1.3 up to 6.3.3)

Take 1 ml of 1:10 sample, dilute it into 9 ml of broth, shake and put 1 ml in agar plate (dil 1:100)

Take 1 ml of 1:100 sample, dilute it into 9 ml of broth, shake and put 1 ml in agar plate (dil 1:1'000)

Take 1 ml of 1:1'000 sample, dilute it into 9 ml of broth, shake and put 1 ml in agar plate (dil 1:10'000)

Take 1 ml of 1:10'000 sample, dilute it into 9 ml of broth, shake and put 1 ml in agar plate (dil 1:100'000)

REPEAT FIVE FOLD:

Take one kit bottle and open its cap carefully to avoiding contamination. Then open a sterile water ampoulla and pour water into the kit bottle (avoiding external contamination), reseal the vial with the cap and shake (preferably using a vortex) until all the reagents inside are completely dissolved. Re-open the kit bottle and just suck up 1ml from 1:10 dilution to pour into kit bottle, shake well, then put the kits into RVLM machine to do qualitative test.

CALCULATION:

Count the colnies in plates where there are between 30 and 3000 colonies and multiply the results by the dilution factor of the counted plate (x100 or x1'000 or x10'000 or x100'000), make the Mean and Standard Deviation

CALCULATION:

Take the results written into the PDF file, multiply by the dilution factor (x 10), make the Mean and Standard Deviation

All the steps have to be carried out using a laminar flow biological hood and under strictly sterile conditions !!