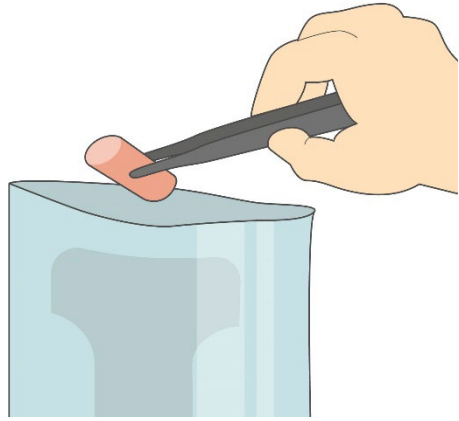


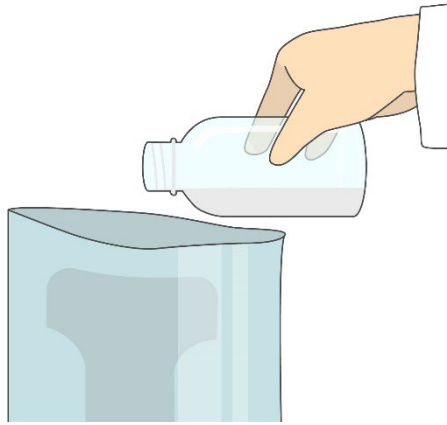
Compact Dry EC Illustration Manual

Shimadzu Diagnostics Corporation

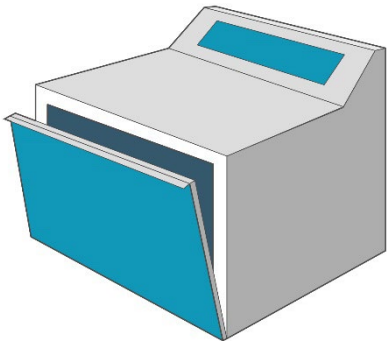


Weigh 50g solid sample

and add 450mL Butterfield's buffered phosphate diluent to the sample.

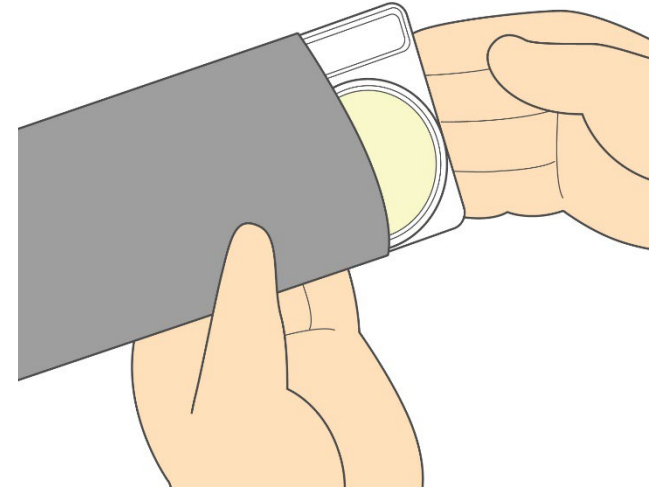
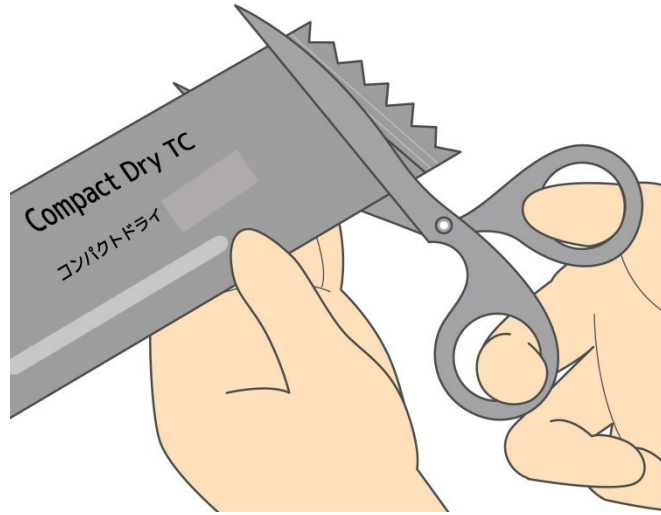


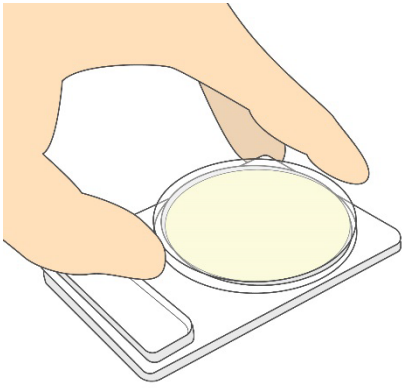
It is recommended to use a stomacher bag with filter to eliminate risks of carry over of tiny pieces of foodstuffs into the surface of the medium.



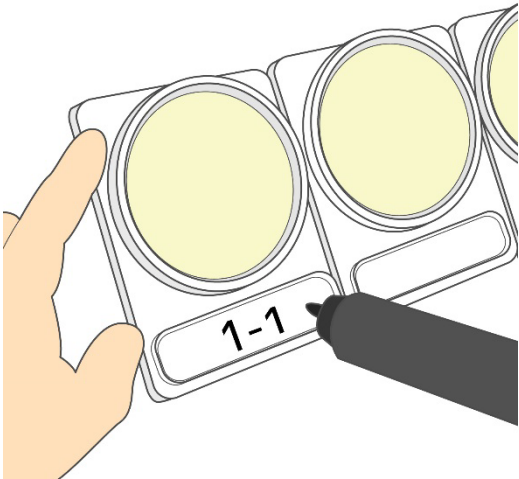
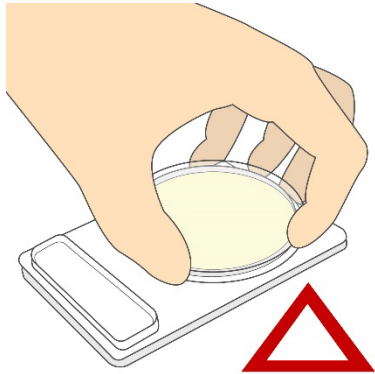
Homogenize this mixed sample by a blender

Open aluminum bag, and take out a set of 4 plates.

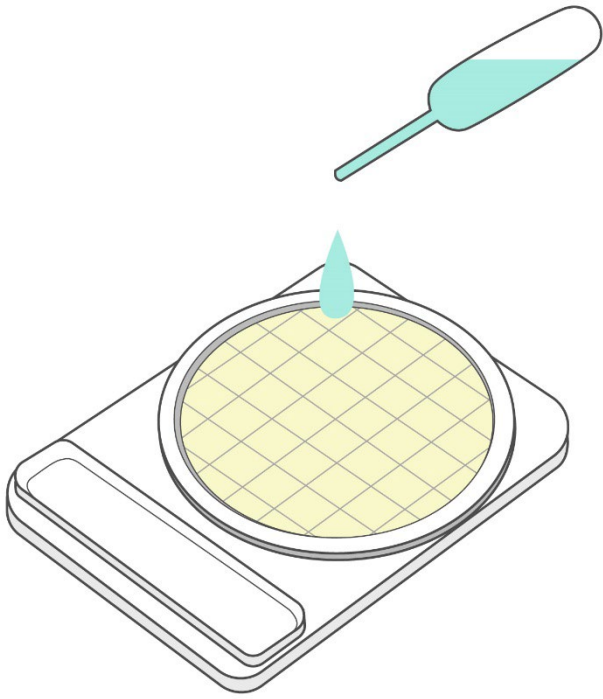




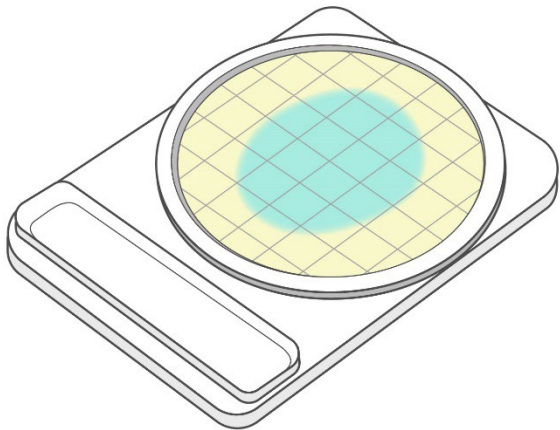
Take off the cap of the plate



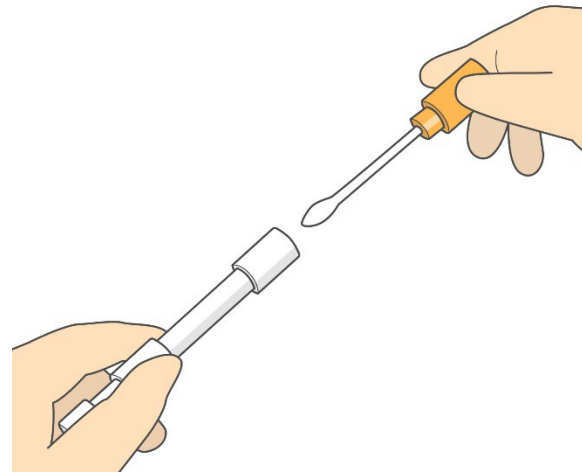
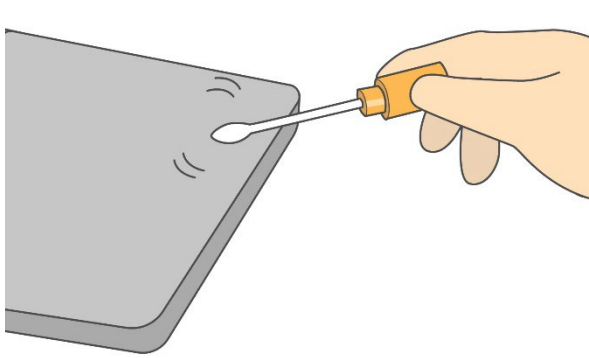
Write the appropriate information on the memorandum section.



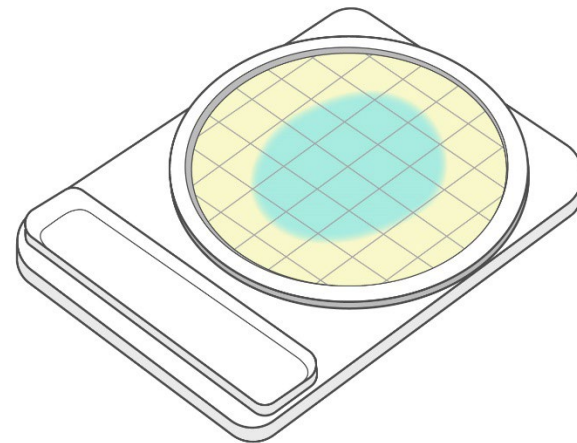
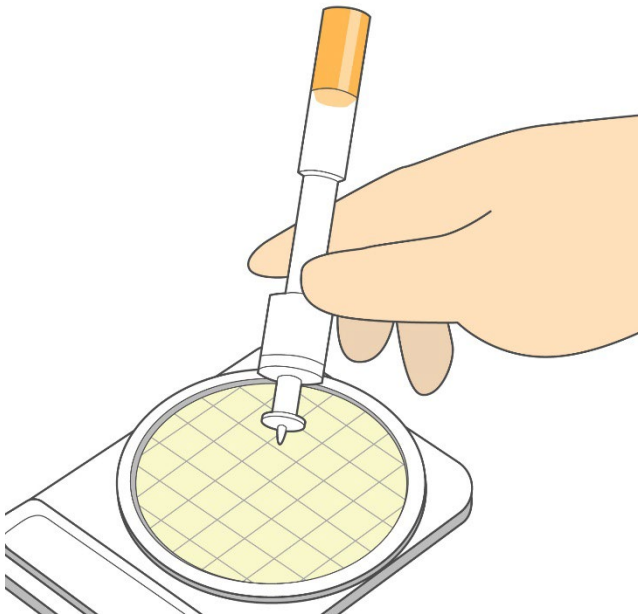
Pipette 1ml of homogenized specimen (to be further diluted if necessary) in the middle of dry sheet of Compact Dry EC.



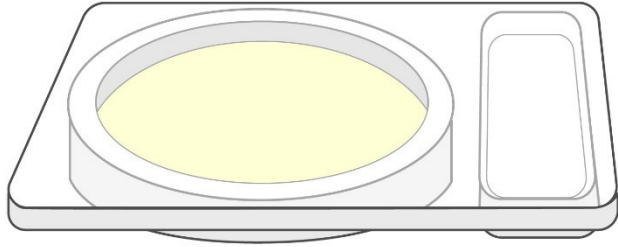
Specimen diffuses automatically and evenly into all over the sheet (total medium of 20 cm²) to transform it into gel within seconds.



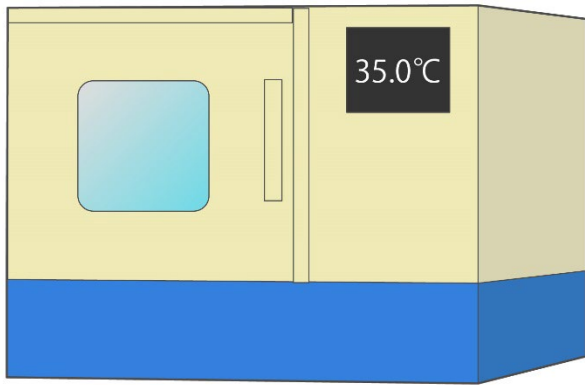
Viable count in swab
test sample



Inoculate 1 ml of
wiping solution (to be
diluted if necessary),
which is obtained from
cotton swab,

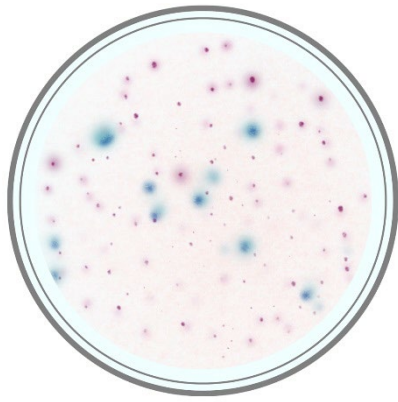


Turn over the plate capped

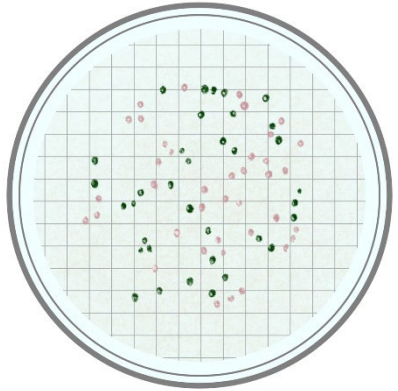


put in an incubator.

Incubate 24 hours for EC at $35 \pm 2^{\circ}\text{C}$.



EC



EC



Red/pink color for coliform except for E.coli while blue/blue purple color for E.coli is observed respectively.

Combined total number of both colonies of red and blue is the total number of coliform group.

Detection limit of Compact Dry EC is between 1 – 300 cfu/plate.

From backside of the plate, count the number of colored colonies appeared in the medium.

White paper placed under the plate can help to count colonies easier.