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Matric Number: 18/SCI17/006

Course: Microbial Ecology (MCB 308)

Title: Isolation and quantification of microorganisms in ABUAD Microbiology Lab at different time interval

Aim: To isolate microorganism and know the quantity by 7am

Materials: Petri dish, plate count agar, microscope, colony counter, incubator, autoclave

Procedure:

1. Plate count agar was prepared following the manufacturers specification and then placed in an autoclave for 15 minutes
2. The agar was Poured into a sterile petri-dish and left to solidify
3. The plate was open on a suitable position and left for 15 minutes.
4. Then covered and was placed into the incubator
5. The plate count agar was incubated at 350c for 48 hours in an inverted position
6. After the incubation period, the plate was counted using colony counter.

Observation:

Bacteria and Fungi were isolated from the specific area in the laboratory. Total number of microorganism found on the plate were four, three bacteria and one fungi.

Result:

*Escherichia coli, Staphylococcus aureus, Salmonella* and moulds were found on the plate which shows the present of microbes in the laboratory.

Conclusion:

This proves that microorganism are ubiquitous i.e. they are found everywhere.