

## Standard operating procedure of incubator 37

1. Objective: To create a suitable temperature of 37 degrees for the growth of various microbes. Culture and incubation are among the early stages in the detection of pathogenic organisms. To ensure the growth of suspicious organisms, the sample should be immediately incubated at a desired temperature.

Theoretically, pathogens grow best at a body temperature of 37 degrees. But some organisms cannot reproduce in the laboratory. Therefore, most laboratories consider 35 degrees as the standard for the roots of almost all organisms.

2. Function range: for work in the laboratory of microbiology and cell culture

3. Materials and equipment- :

4. Responsibility: The laboratory expert is responsible for the correct operation of the device and in case of occurrence

Defects must be reported to them.

5. Samples that can be stored in the device:

Plates containing microbial samples

Flasks containing cells

Blood culture

Microbial environments

6. Executive stages of work:

Open the lid of the device and incubate the microbial tubes and plates for 37 to 24 hours at 37 °C.

7. Maintenance and care: After planting in a suitable temperature environment, put the pellets or tubes inside the machine by writing the name and date and close the door immediately to prevent the temperature from dropping. A human or a container containing water is used inside the incubator to maintain sufficient humidity. Record the incubator temperature daily and match the temperature of the device with the thermometer temperature inside the incubator. Clean the incubator and disinfect it with 10% hypochlorite solution or deconex.

8. Safety tips: Close the door properly and do not open it too much.

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<b>Full file name</b>	Standard operating procedure of incubator 37
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