

Incubators

Introduction:



⇒ Incubators is a device used to grow and maintain microbiological cultures.

⇒ The Incubator's maintains optimal temperature humidity and other conditions such as the carbon dioxide (CO_2) and oxygen content of the atmosphere inside.

⇒ It was invented by Fe del Mundo

the first Filipino & the first woman study of microbial medical studies

⇒ The Incubator has double doors.

⇒ The inner door is made up of glass to facilitate viewing of contents.

⇒ Without opening doors letting the outside air in thus when incubator microbes can be cultured at optimum conditions required for growth.

⇒ The light may be provided for culture requiring light for growth.

⇒ More elaborate incubators can be also include ability to control humidity or CO_2 level.

⇒ The maximum temperature for sterilization is $250^{\circ}C$.

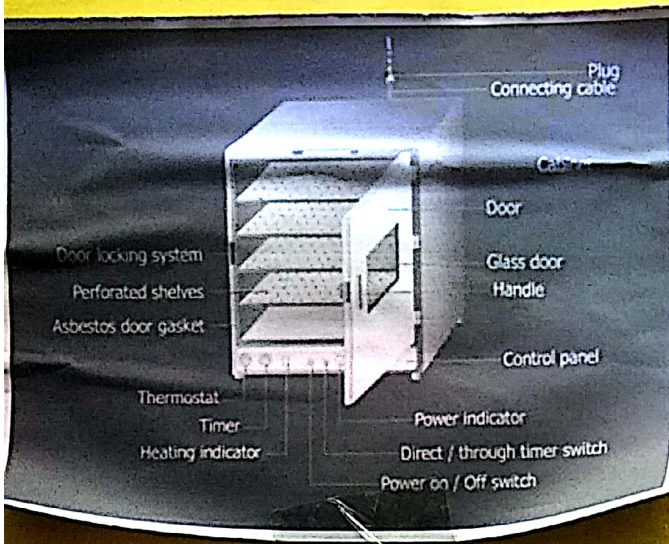
Most Common use are :-

⇒ Incubation of microbiological and cellular cultures.

⇒ Determination of the bioterrorism domain for oxygen (EOO).

⇒ Incubators uses the heat conduction.

Key Components



- Door gasket
- Heating element
- cooling ventilator
- Internal circulation
- Electronic control
- Electronic components.
- Thermocouples
- glass door (internal)
- Handle
- body of the incubator

Maintenance



- Read carefully the manufacturer's instruction
- Prepare written SOPs concerning the use, care and maintenance of in the incubator.

★ Use Personal protective elements when using in incubator.



- Safety eyeglasses
- gloves
- Tongs for placing and removing containers.

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