

Laminar flow Equipment

Laminar flow Cabinet or laminar airflow hood is a

enclosed bench. [DEPTH OF BIOLOGY]

↓
designed to → prevent Contaminant partic

at a time of ⇒

— Biochemical testing

— Aseptic Area.

— Performing rxn.

— Inoculating Microbes.

Names similar

Laminar airflow / Laminar flow Cabinet /

Tissue Culture Hood ⇒

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⇒ enclosed in bench designed to prevent Contaminat

Microorg./dust at the time of Biochemical testing,

or we done reaction/Test, also used for

Particle Sensitive Materials.

* It consists of a filter pad, a fan (blower) &

a Hepa filter & a one Laminar air flow bench

→ High efficiency Particulate air.

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* Air is passed through HEPA filter which remove all airborne Contamination to maintain Sterile Condition.

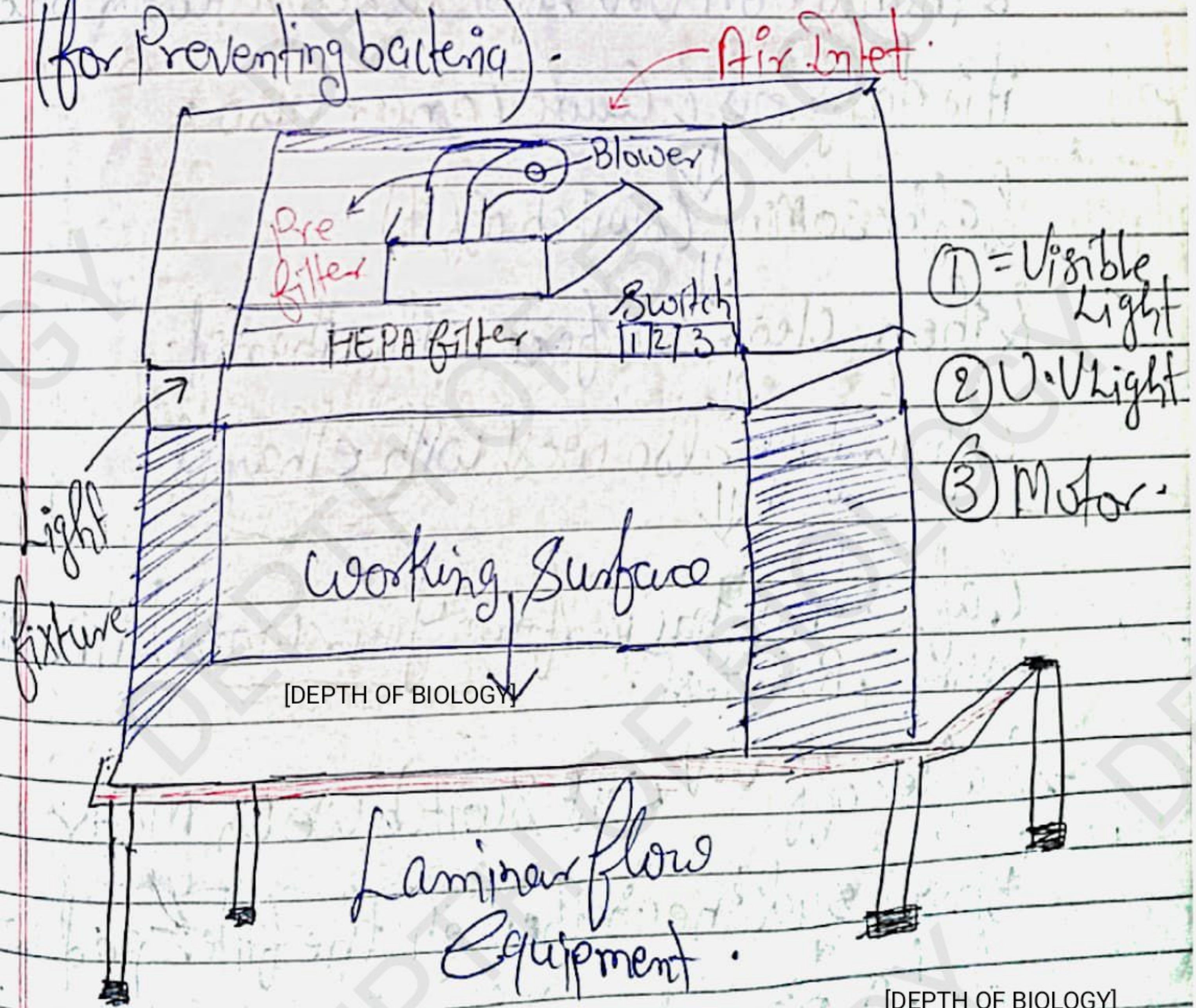
* It also consists switch for U.V Light, Visible Light, & for Motor.

↓ Sterilisation ↓ देखावे

Fan चलाने के लिये

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* It is Made up of Stainless Steel with No gaps or Joint (for Preventing bacteria).



[DEPTH OF BIOLOGY]

[DEPTH OF BIOLOGY]

- Pre-filter = Filter pad → Used for (Pre-filter the air)
- Blower = Air को खींच कर pass करेगा Hepa filter के लिए
- Hepa filter = गरम filter करेगा (~~Micro~~)
↓
Sterile air flow in working area.
- 3 Switch.

[DEPTH OF BIOLOGY]

• Light fixture को हम जिसे तक खींच सकते हैं।
↓
& then we on V.V Light & Leave Room because
↓
It is dangerous & Cause Cancer also.

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↓
& after 30 Min. (switch off it).

↓
& then clean surface with ethanol.

↓
& your gloves also wash with ethanol.

↓
& after this you perform your work Like Biochemical testing, Rxn/Test.

⇒ & after off V.V Light Switch we on Motor
↓
Blower suck the air through the filter pad where
dust is trapped.

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& continue with 2 upper
arrows ↓

Types of Laminar flow cabinet $\Rightarrow$

[DEPTH OF BIOLOGY]

① HZ. Laminar flow



In this air flow from
Back to front (HZ.)

② Vto Laminar flow.



our previous diag.
Eg.

- Blower is fitted downward

& Hepa filter on front

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