



# PHARMA DEVILS

MICROBIOLOGY DEPARTMENT

## STANDARD OPERATING PROCEDURE

**Title:** Cleaning and Operation of Ceiling LAF

<b>SOP No.:</b>		<b>Department:</b>	Microbiology
		<b>Effective Date:</b>	
<b>Revision No.:</b>	00	<b>Revision Date:</b>	
<b>Supersede Revision No.:</b>	Nil	<b>Page No.:</b>	1 of 3

### 1.0 OBJECTIVE

To lay down procedure for cleaning and operation of ceiling LAF.

### 2.0 SCOPE

This SOP is applicable for ceiling LAF, Make - Klenz Flo in microbiology laboratory.

### 3.0 RESPONSIBILITY

Prepared by - Executive Microbiology

Checked by - Assistant Manager Microbiology / QC

Approved by - Head QA, QC

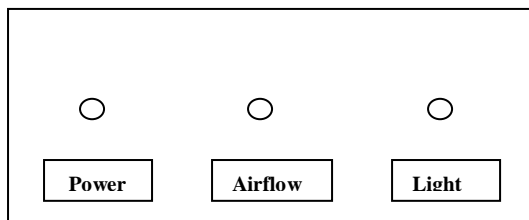
### 4.0 PROCEDURE

#### 4.1 Operation

4.1.1 Before switch on the mains power supply ensure that the ceiling LAF unit is cleaned.

4.1.2 Switch on the mains power supply.

4.1.3 The front panel of the laminar airflow unit contains the following buttons.



4.1.4 Gently press the power button and observe that the red light above the power button will glow, which indicates there is proper power supply.

4.1.5 Gently press the Airflow button to turn the motor on and observe the Pressure differential across the HEPA filter in the Magnehelic gauge provided in the front panel of the laminar air flow unit.

4.1.6 The pressure differential across the HEPA should be in between 10 -15 mm of water.

4.1.7 Switch on the florescent light by gently pressing Light button.

4.1.8 After performing the work under laminar airflow unit switch off the laminar airflow unit Light, airflow and power supply by gently pressing respective buttons.

4.1.9 Clean the laminar airflow unit.



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4.1.10 Magnehelic gauge readings of the laminar airflow unit should be within the set limit. It should be zero when laminar air bench is in off position.

4.1.11 Record the Magnehelic gauge reading (pressure differential) twice in a day i.e. the morning and in the evening.

4.1.12 Maintain the record of Magnehelic gauge reading (pressure differential) as per Annexure - I.

### 4.2 Cleaning

4.2.1 Ensure that the ceiling LAF power supply is OFF.

4.2.2 Clean the grill of ceiling LAF with the help of a lint free cloth soaked in 70 % filtered IPA.

### 5.0 SAFETY & PRECAUTIONS

Not applicable.

### 6.0 REVISION HISTORY

Revision No.	Reason for Revision	Superseded from & date
00	First Issue	-----

### 7.0 REFERENCES

Not applicable.

### 8.0 ABBREVIATIONS

SOP : Standard Operating Procedure

% : Percentage

IPA : Iso Propyl Alcohol

HEPA : High Efficiency Particulate Air

LAF : Laminar Air Flow

### 9.0 ANNEXURES

**Annexure - I** : Magnehelic gauge reading (pressure differential) of ceiling LAF

