



STANDARD OPERATING PROCEDURE

Department: Microbiology	SOP No.:
Title: Procedure for Operation and Cleaning of Hanging Laminar Air Flow Unit	Effective Date:
Supersedes: Nil	Review Date:
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1.0 OBJECTIVE:

To lay down a procedure for Operation and Cleaning of Hanging laminar air flow unit.

2.0 SCOPE:

This SOP is applicable for Operation and cleaning of hanging laminar air flow unit in Microbiology laboratory of Quality Control.

Instrument ID : **Make**
..... : Klean air technologies

3.0 RESPONSIBILITY:

Officer / Executive - Microbiology

4.0 ACCOUNTABILITY:

Head – QC

5.0 ABBREVIATIONS:

IPA Isopropyl Alcohol
ID No. Identification Number
LAF Laminar Air Flow
Ltd. Limited
QA Quality Assurance
QC Quality Control
SOP Standard Operating Procedure
UV Ultra violet

6.0 PROCEDURE:

6.1 GENERAL CONDITIONS:

6.1.1 Magnehalic gauges reading should be within the specified limits.

6.1.2 Filter should be cleaned as per schedule / requirements.

6.2 OPERATION OF HANGING LAMINAR AIR FLOW UNIT:

6.2.1 Switch “ON” the mains.

6.2.2 There are two switches and a magnehalic gauge in the side panel of instrument.

1. Blower
2. Tube Light



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6.2.3 Clean the outer surface of hanging laminar air flow unit with lint free mob moistened in 0.22 μ filtered 70 % IPA.

6.2.4 The airflow should be kept “ON” for about 30 min before carrying out activity if it is switch off condition. Check the reading of Magnehalic Gauge; it should be in between 2 to 8 mmwc for pre filter and 5 to 15 mmwc for HEPA filter when airflow is ON.

6.2.5 During working switch “ON” the tube light. After completion of work switch “OFF” the light of hanging laminar air flow unit.

6.3 CLEANING:

6.3.1 Cleaning of pre filter carried out by engineering personnel as per respective SOP.

7.0 ANNEXURES:

Not Applicable

ENCLOSURES: SOP Training Record.

8.0 DISTRIBUTION:

- Controlled Copy No. 01 Quality Assurance
- Controlled Copy No. 02 Microbiology Laboratory
- Master Copy Quality Assurance

9.0 REFERENCES:

Not Applicable

10.0 REVISION HISTORY:

CHANGE HISTORY LOG

Revision No.	Change Control No.	Details of Changes	Reason for Change	Effective Date	Updated By