



STANDARD OPERATING PROCEDURE

Department: Microbiology	SOP No.:
Title: Procedure for Operation and Cleaning of Mobile Laminar Air Flow Unit	Effective Date:
Supersedes: Nil	Review Date:
Issue Date:	Page No.:

1.0 OBJECTIVE:

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

2.0 SCOPE:

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

Instrument ID : **Make**
..... : Air tech

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 MOBILE LAMINAR AIR FLOW UNIT:

6.2.1 Switch “ON” the mains.

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

1. Blower 2. Tube Light 3. UV light

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



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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 between 10 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 Mobile laminar air flow unit.

6.2.6 Cleaning Frequency: Daily or whenever required.

6.3 CLEANING:

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

7.0 ANNEXURES:

ANNEXURE No.	TITLE OF ANNEXURE	FORMAT No.
Annexure – I	Mobile laminar air flow cleaning record	

ENCLOSURES: SOP Training Record.

8.0 DISTRIBUTION:

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

