



STANDARD OPERATING PROCEDURE

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

1.0 OBJECTIVE:

To lay down the procedure for the cleaning and operation of Laminar Air Flow.

2.0 SCOPE:

This SOP is applicable to the cleaning & operation of Laminar Air Flow in Microbiology laboratory.

3.0 RESPONSIBILITY:

Microbiologist-Quality Control

Head- Quality Control

4.0 PROCEDURE:

4.1 Cleaning:

4.1.1 Clean the outer surface and working table of Laminar Air Flow with a lint free cloth moistened with filtered 70% v/v IPA.

4.1.2 Clean the working area of Laminar Air Flow before and after every operation. Clean the outer surface of Laminar Air Flow daily and records in Annexure-I.

4.2 Operation:

4.2.1 Enter the testing area as per defined entry and exit procedure as per reference SOP for microbiology testing area.

4.2.3 LCD display shows "WELCOME" on LAF.

4.2.4 Press U.V. key to switch ON the UV lamp for 15 minutes before starting the testing.

4.2.6 Switch OFF the U.V. lamp after minimum 15 minutes.

4.2.7 Press blower key to switch on the blower.

4.2.8 Press light key to switch on the tube light.

4.2.9 Record of manometer reading of LAF bench in Annexure-II.

4.2.10 Check and ensure that the manometer reading is as per the specified limit. (10- 15 mm of water)



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4.2.11 Perform the microbiological testing under the LAF.

4.2.12 After completion of testing, clean the working table with 70% v/v IPA.

4.2.13 Switch off the "Light" and LAF at the end of the testing for the day.

4.3 Precautions:

4.3.1 Check the calibration status of the manometer.

4.3.2 Do not switch on the UV light during working period.

4.3.3 If the manometer reading is less than 10 mm of water or more than 15 mm of water, inform Engineering Department immediately for rectification.

5.0 ANNEXURE (S):

Annexure- I : Cleaning record of Laminar Air Flow

Annexure-II : UV-Burning record of Laminar Air Flow

6.0 REFERENCE (S):

SOP: Entry and Exit to microbiology testing area

SOP: Preparation, Approval, Distribution control, revision and Destruction of Standard operating Procedure (SOP).

7.0 ABBREVIATION (S)/DEFINITION (S):

HEPA : High Efficiency Particulate Air.

LAF : Laminar Air Flow

UV : Ultra Violet.

IPA : Iso Propyl Alcohol

REVISION CARD

S.No.	REVISION No.	REVISION DATE	DETAILS OF REVISION	REASON (S) FOR REVISION	REFERENCE CHANGE CONTROL No.
01	00	-----	-----	New SOP	----

