



STANDARD OPERATING PROCEDURE

Department: Microbiology	SOP No.:
Title: Fumigation of Microbiology Laboratory	Effective Date:
Supersedes: Nil	Review Date:
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1.0 OBJECTIVE:

To lay down the procedure for fumigation of Microbiology Laboratory.

2.0 SCOPE:

This SOP is applicable to fumigation in Microbiology laboratory.

3.0 RESPONSIBILITY:

Microbiologist- Quality Control

Head – Quality Control

4.0 PROCEDURE:

4.1 Apparatus:

Fogger

4.2 Reagent:

Gramicid 3 % v/v solution / 20% v/v Virosil

4.3 Fumigation procedure:

Frequency: Once in a week or if the microbial counts exceed the limits in Microbiology Testing area and Change rooms as given in procedure for the Environmental control of Microbiology Laboratory.

4.3.1 Connect the fumigation machine to electric pin to main supply.

4.3.2 Keep the fumigation 2 feet above the ground level.

4.3.3 Open the lid of tank.

4.3.4 Add 5 ltrs of Gramicid 3% v/v solution or 20% virosil solution and close the lid.

4.3.5 Adjust the blower at 45° angle.

4.3.6 Put on the MAIN switch

4.3.7 Switch on the blower.

4.3.8 Fogger starts emitting fine fog.

4.3.9 Keep the fog generator control minimum to get fine particles of Gramicid solution or virosil.

4.3.10 Carryout fogging activity for 5 minutes in Change room-I, II and III of Microbiology testing



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area while 15 minutes for Microbiological Testing Area.

- 4.3.11 Switch off AHU, after starting of fumigation.
- 4.3.12 After fumigation keep all the doors partially open except 1st Air lock closed.
- 4.3.13 After completion of fumigation switch on the AHU for 5 minutes.
- 4.3.14 After fumigation keep the area closed for not less than 6 hrs.
- 4.3.15 Switch on the AHU 1 hour before starting the work.
- 4.3.16 Maintain fumigation Record as per Annexure-I.

4.4 Precautions:

- 4.4.1 Ensure cleanness of area prior to its fumigation.
- 4.4.2 Ensure the Covering of all electronic Equipments with plastic sheet.
- 4.4.3 Use proper safety apparel such as gowns, rubber hand gloves and safety goggles during fumigation.

5.0 ANNEXURE (S):

Annexure –I: Fumigation Record.

6.0 REFERENCE (S):

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

7.0 ABBREVIATION (S) / DEFINITION (S) :

AHU : Air Handling Unit

LAF : Laminar Air Flow

REVISION CARD

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

