



STANDARD OPERATING PROCEDURE

Department: Microbiology	SOP No.:
Title: Achieving and Monitoring of Personal Hygiene	Effective Date:
Supersedes: Nil	Review Date:
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1.0 Objective

To lay down a procedure for Fumigation of Microbiology Laboratory by Micro Mist Fogger.

2.0 Scope

This Standard Operating Procedure is applicable for pharmaceutical formulation plant.

3.0 Responsibility

Executive/Officer-Microbiology : Shall be responsible to follow the Procedure for Fumigation of Microbiology Laboratory by Micro Mist Fogger.

Head - QC/Designee : Shall be responsible for the compliance of this SOP.

4.0 Abbreviations and Definitions

QC : Quality Control
SOP : Standard Operating Procedure
AHU : Air Handling Unit
v/v : Volume by Volume
CFT : Cubic Feet

5.0 Procedure

- 5.1 Clean the area to be fumigated with a disinfectant (Dettol 2.5% or Savlon 2.5%) properly as per the schedule for cleaning and disinfection.
- 5.2 Fumigation shall be done once in a week or after every shut down.
- 5.3 Take measurements of the area of which fumigation is to be done and calculate the amount of Virosil Pharma to be used.
- 5.4 Take calculated amount of Virosil Pharma 20% v/v in clean conical flask.
- 5.5 Transfer the Micro Mist Fogger and conical flask containing Virosil Pharma (20 % v/v) in the aseptic area. Ensure that the fogging machine is free from dust.
- 5.6 Enter in the Microbiology Laboratory as per SOP for Entry and Exit procedure in Microbiology Laboratory.



PHARMA DEVILS

MICROBIOLOGY DEPARTMENT

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- 5.7 Fill 1 liter (For 1000 CFT area) of 20% Virosil Pharma solution in to the tank of fogging machine.
- 5.8 Place the fogging machine at 2 feet from the floor. The angle of motor shall keep at 45 degrees. This can be adjusted with the adjustment knob.
- 5.9 Adjust the timer on 24 minutes which is sufficient time to spray 1 liter solution.
- 5.10 AHU shall be put OFF before start the fumigation.
- 5.11 Plug the wire of fogging machine to mains and switch "ON" the power.
- 5.12 Ensure that a proper mist shall be created in the area so that the active ingredient of Virosil Pharma shall suspend in the atmosphere, thereby giving complete aerial disinfection.
- 5.13 Exit from the area as per SOP for Entry and Exit procedure in Microbiology Laboratory.
- 5.14 Allow the fumigation for whole night.
- 5.15 On next day morning start the AHU and carry out defumigation until no irritation persists in the fumigated area.
- 5.16 Record the activity in the format as per Annexure-1.

6.0 Forms and Records

- 6.1 Record of Fumigation in Microbiology Laboratory: Annexure-1

7.0 Distribution

- 7.1 Master Copy : Documentation cell (Quality Assurance)
- 7.2 Controlled Copies : Quality Control, Quality Assurance

8.0 History

Date	Revision Number	Reason for Revision