



## STANDARD OPERATING PROCEDURE

<b>Department:</b> Microbiology	<b>SOP No.:</b>
<b>Title:</b> Operation and Cleaning of Laminar Bench	<b>Effective Date:</b>
<b>Supersedes:</b> Nil	<b>Review Date:</b>
<b>Issue Date:</b>	<b>Page No.:</b>

**1.0 OBJECTIVE:**

To lay down a procedure for operation and cleaning of Laminar bench.

**2.0 RESPONSIBILITY:**

Microbiologist/Executive.

**3.0 ACCOUNTABILITY:**

Executive

**4.0 PROCEDURE:**

**4.1 Introduction:**

4.1.1 Laminar flow clean air work station is device which provides a total sweep of a confined area because the entire body of air moves with uniform velocity along parallel lines, originating through a HEPA filter occupying one entire side of the confined area. Therefore, it bathes the entire area with very clean air, sweeping away contaminants. Laminar-flow provide well-controlled work areas only if proper precautions are observed.

**4.2 Working:**

4.2.1 Enter the sterility testing room/aseptic zone with proper gowning procedure.

4.2.2 Clean the LAF with IPA 70% solution daily before operation and after day's working.

4.2.3 Check the electric connection before starting the work.

4.2.4 Note the manometer reading. It should be zero if required set at 'zero'.

4.2.5 Switch ON the LAF unit and also the lights.

4.2.6 Check the manometer reading (It should be between 10-15min.)

4.2.7 Switch ON the L.A.F. 1/2 hr. before sterility testing /aseptic operation.

4.2.9 The Pre-filter should be cleaned every 3 months

**6.0 ABBREVIATIONS:**

%=Percent

**7.0 REFERENCES / ANNEXURE:**

Annexure – 1 attached



**PHARMA DEVILS**  
MICROBIOLOGY DEPARTMENT

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**ANNEXURE – 1**

**LOG CARD FOR EQUIPMENT No.-**

Date	Operation time		Manometer Reading LIMIT: 10 - 15 MM of Water	Tests performed	Done by	Check by
	From: hrs	To: hrs				