



PHARMA DEVILS

MICROBIOLOGY DEPARTMENT

STANDARD OPERATING PROCEDURE

Title: Usage of Liquid Petroleum Gas Cylinder & Burner in Microbiology Lab

SOP No.:		Department:	Microbiology
		Effective Date:	
Revision No.:	00	Revision Date:	
Supersede Revision No.:	Nil	Page No.:	1 of 2

PURPOSE:

The purpose of this SOP is to lay down a procedure for the usage of the Liquid Petroleum Gas (LPG) cylinder & burner.

SCOPE:

This SOP is applicable to the usage of the LPG cylinder & burner in Microbiology laboratory.

RESPONSIBILITY:

Officer/Executive - Quality Control.

ACCOUNTABILITY:

Head –QC department.

PROCEDURE:

1.0 LPG line & connection

- LPG cylinder shall be kept at the designated place provided in the ground floor of the QA/QC building in a lock & key provision.
- The LPG cylinder shall be connected to the manifold system which shall be lined up to the first floor of the Microbiology laboratory.
- The lined up connection shall be connected to the LPG burner at the terminal user end in the LAF.

2.0 Positions of LPG burner and its purpose.

- LAF room-For the flaming of the media flask during the preparation of media, incineration of the inoculation loops during culture transfer activities and incineration of the forceps during membrane filtration of water & primary packing material samples.

3.0 Operation of the LPG cylinder & burner.

- 3.1 The LPG cylinder shall be fixed to the manifold system.
- 3.2 The knob of the cylinder shall be switched to “ON” position.
- 3.3 The LPG line shall have two controlling “ON” & “OFF” regulators.
- 3.4 The LPG line in the microbiology room shall have four controlling regulators.



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- 3.5 The four controlling regulators shall be switched to “ON” position and the burner shall be lit using a lighter.
- 3.6 After the completion of the work, the four controlling regulators shall be switched to “OFF” position.
- 3.7 The LPG cylinder in the bank shall be replaced once the LPG cylinder gets exhausted by giving an intimation note to the stores department.
- 3.8 In case of any untoward incident of fire, the fire extinguisher [Carbon dioxide (ABC) type] placed in the Microbiology laboratory shall be used to put down the fire.

ANNEXURE(S):

NIL.

REFERENCES:

NIL.