



PHARMA DEVILS

MICROBIOLOGY DEPARTMENT

STANDARD OPERATING PROCEDURE

Title: Cleaning and Operation of Magnetic Stirrer with Hot Plate

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

1.0 OBJECTIVE

To lay down procedure for cleaning and operation of Magnetic Stirrer with Hot Plate.

2.0 SCOPE

This SOP is applicable for Magnetic Stirrer with Hot Plate, Make - Eltek Laboratory Equipment, in Quality Control Department .

3.0 RESPONSIBILITY

Prepared by - Executive Quality Control

Checked by - Assistant Manager Microbiology / QC

Approved by - Head QA, QC

4.0 PROCEDURE

4.1 Operation

- 4.1.1 Connect the power cord of the Magnetic Stirrer with hot plate to the main supply.
- 4.1.2 Switch on the main supply and press the button to on position, observe that the indicating lamp glows up.
- 4.1.3 Place the glass beaker/flask containing media on the top plate center.
- 4.1.4 Place the Teflon coated magnetic needle in the flask containing media.
- 4.1.5 Select the LOW or HIGH speed by using the toggle switch, select LOW if the media is thin and HIGH if the media is thick.
- 4.1.6 Regulate the speed by turning the speed knob towards right, from minimum up to the required.
- 4.1.7 Simultaneously if the heating is required it can be done by turning the heater regulator knob towards right from the minimum to maximum up to the desire temperature.
- 4.1.8 For proper mixing or dissolution the magnetic needle can be rotated in clockwise or anticlockwise direction by using toggle switch.
- 4.1.9 If stirring is to hold for a while without stopping this can be done by using reset button.
- 4.1.10 After mixing the media the press the button to off position.
- 4.1.11 Keep all the knobs to minimum position.
- 4.1.12 Switch off the main after completion.

4.2 Cleaning



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4.2.1 Clean the Magnetic Stirrer with hot plate with a clean lint free cloth everyday.

4.2.2 Clean the Magnetic stirrer with hot plate with lint free cloth along with 70% filtered IPA.

5.0 SAFETY & PRECAUTIONS

5.1 Before cleaning or any maintenance remove the power supply cord of the Magnetic Stirrer with hot plate from the main supply.

5.2 Before cleaning make sure that the surface of the Magnetic Stirrer with hot plate is cool or not.

5.3 Don't touch the instrument directly during operational condition.

5.4 Do not keep very large amount on it.

6.0 REVISION HISTORY

Revision No.	Reason for Revision	Superseded from & date
00	First Issue	-----

7.0 REFERENCES

Not applicable.

8.0 ABBREVIATIONS

SOP : Standard Operating Procedure

% : Percentage

QC : Quality control

IPA : Iso Propyl Alcohol

9.0 ANNEXURES

Not applicable.