



PHARMA DEVILS

MICROBIOLOGY DEPARTMENT

STANDARD OPERATING PROCEDURE

Title: Calibration of Heating Block

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

1.0 OBJECTIVE

1.1 To lay down the Procedure for calibration of heating block using calibrated thermometer.

2.0 SCOPE

2.1 This SOP is applicable for calibration of heating block using calibrated thermometer.

3.0 RESPONSIBILITY

3.1 Microbiologist

4.0 ACCOUNTABILITY

4.1 QC-Manager

5.0 PROCEDURE

5.1 The heating block is used for incubation of Bacterial Endotoxin test tubes.

5.2 Switch ON the heating block and set the temperature to 37°C using coarse and fine adjustment knobs.

5.3 Wait for 2 minutes and observe the set temperature.

5.4 After the set temperature gets stabilized in 37°C place the standard thermometer over the wells.

5.5 Starting from the left corner of front row insert the thermometer and wait for 2 minutes to record the temperature.

5.6 Compare the heating block temperature with the calibrated thermometer and record.

5.7 Repeat this procedure for all the wells of the heating block and record the exact temperature.

5.8 Variation between the heating block and the calibrated thermometer should not exceed more than $\pm 0.5^{\circ}\text{C}$.

5.9 The frequency of calibration should be once in three months.

6.0 ABBREVIATIONS

6.1 NIL.

7.0 ANNEXURES

7.1 Annexure-I Calibration of Heating Block.