



STANDARD OPERATING PROCEDURE

Department: Microbiology	SOP No.:
Title: Procedure for Operation and Cleaning of Electric Loop Sterilizer	Effective Date:
Supersedes: Nil	Review Date:
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1.0 OBJECTIVE:

To lay down a procedure for Operation and Cleaning of Electric Loop Sterilizer.

2.0 SCOPE:

This SOP is applicable for Operation and cleaning of Electric Loop Sterilizer in Microbiology laboratory of Quality Control.

Instrument ID : **Make**
..... : Himedia
..... : Himedia

3.0 RESPONSIBILITY:

Officer / Executive - Microbiology

4.0 ACCOUNTABILITY:

Head – QC

5.0 ABBREVIATIONS:

IPA Iso Propyl Alcohol
Ltd. Limited
No. Number
PV Performance Value
QA Quality Assurance
QC Quality Control
SOP Standard Operating Procedure
SV Set Value

6.0 PROCEDURE:

6.1 OPERATION OF ELECTRIC LOOP STERILIZER:

6.1.1 Place the unit as per requirement (Biological Safety cabinet, clean room benches, beside fans etc.) Connect the Power Cord to Main Supply plug socket and switch “ON” the mains.

6.1.2 Switch “ON” the Red Power Switch situated on the Control Panel, Display will show temperature which is indicated by glowing of switch itself.

6.1.3 Adjust the Electric Loop Sterilizer temperature (SV) 700.0° C by pushing the “SET” button of the equipment placed on the control panel.

6.1.4 To achieve & maintain set temperature light show the controlled action and continue maintain PV in 30 minute Confirm the temperature that is shown on digital display.



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6.1.5 Performance Value reaches the set temperature 700.0° C it is ready to use.

6.1.6 After 10-15 second the inoculation loop is sterilized.

6.1.7 The Unit can be left on all day if desired & set temperature will be maintained.

6.1.8 When Unit is no longer in use switch Off an allow to cool down for 45 Minutes

6.2 PRECAUTIONS:

6.2.1 Do not move electric loop sterilizer from one place to other when it is hot.

6.2.2 Do not touch the Hot Area of Electric Loop Sterilizer.

6.2.3 Ensure the Switch Off After completion of work

6.3 CLEANING:

6.3.1 Switch off the Mains of Electric Loop Sterilizer inside the PID controller.

6.3.2 Ensure that instrument having normal temperature.

6.3.3 Clean the External surface of Electric Loop Sterilizer daily with clean mop wetted with 0.22 μ filtered 70 % IPA.

6.3.4 During cleaning of Electric Loop Sterilizer do not spray disinfectant on PID controller.

7.0 ANNEXURES:

Not Applicable

ENCLOSURES: SOP Training Record.

8.0 DISTRIBUTION:

- Controlled Copy No. 01 Quality Assurance
- Controlled Copy No. 02 Microbiology
- Master Copy Quality Assurance

9.0 REFERENCES:

Not Applicable

10.0 REVISION HISTORY:

CHANGE HISTORY LOG

Revision No.	Change Control No.	Details of Changes	Reason for Change	Effective Date	Updated By