



PHARMA DEVILS

QUALITY CONTROL DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Quality Control	SOP No.:
Title: Operation and Cleaning of Ultrasonic Bath	Effective Date:
Supersedes: Nil	Review Date:
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1.0 OBJECTIVE:

To lay down procedure for Operation and cleaning of ultrasonic bath.

2.0 SCOPE:

This SOP is applicable for ultrasonic bath (Make: Electron, Model 15L400H) Quality Control Laboratory.

3.0 RESPONSIBILITY – Execution- Executive QC
Checking -Assistant Manager QC

4.0 ACCOUNTABILITY - Manager Quality Control

5.0 PROCEDURE:

5.1 OPERATING PROCEDURE:

- 5.1.1 Fill Purified water up to 3cm from the top of the bath.
- 5.1.2 Switch 'ON' the mains.
- 5.1.3 Switch 'ON' the instrument by pressing power key.
- 5.1.4 Press the clear key, so that it clears the previous parameters.
- 5.1.5 Press and set the sonication strength by using 'UP' & 'DOWN' keys for increasing & decreasing the sonication strength.
- 5.1.6 Select TEMP to Set the required temperature by using 'UP' & 'DOWN' keys.
- 5.1.7 Select TIME to Set the Time by using 'UP' & 'DOWN' keys.
- 5.1.8 Set the heat function (ON/OFF) as per requirement.
- 5.1.9 Keep the sample to be sonicated inside the Ultrasonic Bath.
- 5.11 Press the start key.
- 5.12 On completion of the ultrasonic treatment, Stop the sonication by pressing 'STOP' key, take out the sample from the water bath and cover the water bath with the lid provided.
- 5.13 Switch 'OFF' the instrument by pressing 'POWER' key.
- 5.14 Switch 'OFF' the mains.

5.2 CLEANING PROCEDURE:

Frequency: Once in a week or when water becomes turbid.



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- 5.2.1 Switch 'OFF' the Mains.
- 5.2.2 Remove the lid from the Ultrasonic Bath.
- 5.2.3 Wash the lid properly with purified water.
- 5.2.4 Remove the water from the outlet provided at the back side of instrument and wash the Sonicator Bath with purified water properly and mop with clean and dry cotton cloth.
- 5.2.5 Fill the purified water up to 3cm of the bath.
- 5.2.6 Put the lid on the bath again.
- 5.2.7 After completion of cleaning, record the details of cleaning in Annexure –I.

6.0 SAFETY & PRECAUTIONS:

Not Applicable

7.0 REVISION HISTORY:

Revision No.	Reason for Revision	Superseded From & Date

8.0 DISTRIBUTION:

Copy No.	Issuance Record				Withdrawal Record		Destruction Record	
	Date	Dept. issued	Name / Signature of receiver	Issued By Name / Signature	By	Sign/ Date	By	Sign/ Date

9.0 REFERENCES:

Not Applicable



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10.0 ABBREVIATIONS & ANNEXURES:

SOP : Standard Operating Procedure

No. : Number

QC : Quality Control

Cm : Centimeter

Annexure I : Cleaning Record of Ultrasonic Bath

