



STANDARD OPERATING PROCEDURE

Department: Microbiology

SOP No.:

Title: Disposal of Microbiological Waste

Effective Date:

Supersedes: Nil

Review Date:

Issue Date:

Page No.:

1.0. OBJECTIVE:

1.1 To lay down a procedure for disposal of Microbiological waste.

2.0. SCOPE:

2.1 This procedure is applicable for the disposal of Microbiological waste in Microbiology Laboratory of the Quality control department.

3.0. RESPONSIBILITY:

3.1 Sr.Officer / Officer – Quality Control

4.0. ACCOUNTABILITY:

4.1.1 Head of the department is accountable to ensure the compliance of SOP for all aspects .

5.0 DEFINITION

NA

6.0. PROCEDURE:

6.1. REQUIREMENT :

6.1.1. 5.0 % v/v Dettol solution .

6.1.2. Autoclave dedicated for this activity only .

6.1.3. Bags for media disposal.

6.2. Prepare 5.0 % v/v Dettol solution (by mixing 50 ml. Dettol in the 1000 ml. of purified water) in sufficient quantity as per requirement .

6.3. Keep the used media petri plates and tubes in vertical autoclave at 121° C, 15 lbs. Pressure for 30 minutes also place autoclave indicator slip with the material .

6.4. After completion of cycle ,check the colour change of the chemical indicator, remove the discarded media from plates and tubes with the help of spatula, and collect it in bag used for



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media disposal ,add 0.1 N NaOH in this bag for media neutralization and seal it .

- 6.5. Add sufficient quantity of 5.0% v/v dettol solution in wash tub in order to ensure that all petri plates and tubes are completely dipped .
- 6.6. Keep the all petri plates and tubes in 5.0 % v/v dettol solution for one hour .
- 6.7. Remove the empty petri plates from the 5.0 %v/v Dettol solution and thoroughly rinse with 2%v/v teepol solution or 2% v/v laboline solution (by mixing 20 ml. teepol/laboline in the 1000 ml. of purified water)followed by purified water, and distilled water then dry it in an oven at 80 to 100° C for 30 minutes .
- 6.8. Hand over the discarded used media autoclavable bag to P&A dept. and P&A dept. arrange to remove the autoclavable bag and then discard the used media in pit and cover it with soil ,within the area having demarcation as microbiological waste yard .
- 6.9. Fill the media disposal record in the register as per SOP.
- 6.10. wash the tub again and clean it by using 5% v/v dettol solution and purified water .

7.0. ABBREVIATION:

Abbreviation	Full form of abbreviation used
QC	Quality Control
Ltd.	Limited
°C	Degree Celsius
SOP	Standard Operating Procedure
ml.	Mille liter
lbs	Libra
N.A.	Not Applicable
%	Percentage
QA	Quality Assurance
Sr.	Senior
v/v	Volume by Volume



PHARMA DEVILS

MICROBIOLOGY DEPARTMENT

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8.0 ATTACHMENTS :

N.A

9.0 DISTRIBUTION:

- Controlled Copy No. 01 Quality Assurance
- Controlled Copy No. 02 Quality Control
- Master Copy Quality Assurance Department

10.0 REFERENCES:

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11.0 REVISION HISTORY:

Revision No.	Change Control No.	Details of Changes	Reason of Changes	Effective Date	Done By
00	Not Applicable	Not Applicable	New SOP		