



PHARMA DEVILS

MICROBIOLOGY DEPARTMENT

STANDARD OPERATING PROCEDURE

Department: Microbiology	SOP No.:
Title: Preparation of Cleaning, Sanitization and Disinfectant Agent	Effective Date:
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1.0 Objective

To lay down a procedure for Preparation of Cleaning, Sanitization and Disinfectant Agent.

2.0 Scope

This Standard Operating Procedure is applicable for formulation plant.

3.0 Responsibility

Microbiologist/ Workmen : Shall be responsible for Preparation of Cleaning, Sanitization and Disinfectant Agent

Head-QC/Designee : Shall be responsible for the compliance of this SOP.

4.0 Abbreviations and Definitions

SOP : Standard Operating Procedure

QC : Quality Control

IPA : Isopropyl Alcohol

5.0 Procedure

5.1 2.5 % v/v Dettol Solution: Measure 25 ml of Dettol solution in a clean dry measuring cylinder or suitable measuring device and add to a clean vessel. Add 975 ml of purified water / distilled water and mix in plastic bucket for mopping or in a flat bottle flask for spraying.

5.2 5 % v/v Dettol Solution: Measure 50 ml of Dettol solution in a clean dry measuring cylinder or suitable measuring device and add to a clean vessel. Add 950 ml of purified water / distilled water and mix in plastic bucket for mopping or in a flat bottle flask for spraying.

5.3 2.5 % v/v Savlon Solution: Measure 25 ml of Savlon solution in a clean dry measuring cylinder or suitable measuring device and add to a clean vessel. Add 975 ml of purified



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water / distilled water and mix in plastic bucket for mopping or in a flat bottle flask for spraying.

- 5.4 5 % v/v Savlon Solution: Measure 50 ml of Savlon solution in a clean dry measuring cylinder or suitable measuring device and add to a clean vessel. Add 950 ml of purified water / distilled water and mix in plastic bucket for mopping or in a flat bottle flask for spraying.
- 5.5 70 % v/v Isopropyl Alcohol: Measure 700 ml of IPA in a clean measuring cylinder or suitable measuring device and add to a clean vessel. Add 300 ml of purified water / distilled water. Filter the solution through 0.2 /0.45 μ filter.
- 5.6 20 % v/v Virosil Pharma: Measure 200 ml of Virosil Pharma in a clean measuring cylinder or suitable measuring device and add to a clean vessel. Add 800 ml of purified water / distilled water. Filter the solution through 0.2 /0.45 μ filter.
- 5.7 2 % v/v Teepol Solution / Soap Solution: Measure 20 ml of Teepol solution in a clean measuring cylinder or suitable measuring device and add 980 ml of purified water / distilled water and mix in plastic tub.
- 5.8 Use disinfectants as per the following recommendations.

Disinfectant	Concentration (% v/v)	Recommended Uses
Dettol	2.5% v/v	Spraying, Cleaning of Floors and Surface sanitization.
Savlon	2.5% v/v	Spraying, Cleaning of Floors and Surface sanitization
Dettol	5% v/v	Disinfection of Pipettes
Savlon	5% v/v	Disinfection of Pipettes
IPA	70% v/v	Spraying, disinfection of gloves, hands and containers
Virosil Pharma	20 %	Fumigation



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5.6 Use the disinfectants (Dettol 2.5 % and Savlon 2.5%) alternately for the floor disinfection by changing weekly.

5.6 The record of disinfectant preparation shall be maintained as per Annexure-1.

6.0 Forms and Records

6.1 Disinfectant Preparation Record : Annexure-1

7.0 Distribution

7.1 Master Copy : Documentation Cell (Quality Assurance)

7.2 Controlled Copies : Quality Control, Quality Assurance

8.0 History

Date	Revision Number	Reason for Revision