



PHARMA DEVILS

HR DEPARTMENT

STANDARD OPERATING PROCEDURE

TITLE: Preparation of Disinfectant Solution

SOP No.:		Department:	HR	
		Effective Date:		
Revision No.:		Revision Date:		
Supersede Revision No.:		Page No.:	1 of 3	

1.0 OBJECTIVE:

To lay down a procedure for Preparation of Disinfectant Solution.

2.0 SCOPE:

This SOP is applicable for Preparation of Disinfectant Solution in unclassified area at

3.0 RESPONSIBILITY:

Officer / Executive HR

4.0 ACCOUNTABILITY:

Head - HR

5.0 ABBREVIATIONS:

SOP	Standard Operating Procedure
No.	Number
BKC	Benzalkonium Chloride
WFI	Water for Injection
Ltd.	Limited
HR	Human Resource

6.0 PROCEDURE:

- 6.1 Enter in specified area along with Disinfectant Solution, Gloves, Face Mask, Measuring Cylinder and Plastic Carboy further preparation of Disinfectant Solution.
- 6.2 Put on Face Mask and Hand Gloves while preparing the disinfectants.
- 6.3 Wash the Plastic Carboy thoroughly with purified water before preparing the disinfectants.
- 6.4 Prepare the different percentage of disinfectant solution as follows:

S.No.	Name of the Disinfectant	Concentration to be used	Disinfectant	WFI	Total Volume
1.	Virosil	2.0 % v/v	200 ml	9800 ml	10,000 ml
2.	Dettol	2.5 % v/v	250 ml	9750 ml	10,000 ml
3.	Lizol	0.40% v/v	40 ml	9960 ml	10,000 ml
4.	Benzalkonium Chloride (BKC)	0.25 % v/v	25 ml	9975 ml	10,000 ml



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6.5 Use daily freshly prepared disinfectant as per schedule as follows:

S.No.	Name of Disinfectant	Code	Day							
			1	5	9	13	17	21	25	29
1.	Virosil (2.0% v/v)	A	1	5	9	13	17	21	25	29
2.	Dettol (2.5% v/v)	B	2	6	10	14	18	22	26	30
3.	Lizol (0.40% v/v)	C	3	7	11	15	19	23	27	31
4.	Benzalkonium Chloride (0.25% v/v)	D	4	8	12	16	20	24	28	-

6.6 Record the Preparation details of Disinfectant in **Annexure-I**, Titled “**Disinfectant Solution Preparation Record**”.

7.0 ANNEXURES:

ANNEXURE No.	TITLE OF ANNEXURE	FORMAT No.
Annexure-I	Disinfectant Solution Preparation Record	

8.0 DISTRIBUTION:

- Controlled Copy No. 01 Head Human Resource
- Master Copy Quality Assurance

9.0 REFERENCES:

Not Applicable

10.0 REVISION HISTORY:

CHANGE HISTORY LOG

Revision No.	Details of Changes	Reason for Change	Effective Date	Updated By
00	New SOP	Introduction of New SOP		

