

SOP for making 1% Sodium Hypochlorite solution

I. PROCEDURE [A. Preparation of (1% sodium hypochlorite)]

1. Prepare fresh daily.
2. Record the date prepared on the bottles.
3. After 24 h, pour unused solution down the drain and flush the drain with running water to prevent corrosion of pipes.

1. Preparation of Chlorine solution using Hypochlorite Solution

Concentration of commercially available hypochlorite solution	Required chlorine Concentration	To prepare 1000 ml	
		Solution in ml	Add water in ml
5%	2%	400	600
	1%	200	800
	0.50%	100	900
10%	0.50%	50	950
	1%	100	900
	2%	200	800

2. Preparation Chlorine Solution using Bleaching powder Solution

PREPARATION OF DILUTE SOLUTIONS OF BLEACHING POWDER			
Strength of SBP (stable bleaching powder)	Volume of water	Desired concentration	Bleaching powder in grams per litre
20%	1 litre	0.50%	25
		1%	50
		2%	100
		5%	250
		10%	500
25%	1 Litre	0.50%	20
		1%	40
		2%	80
		5%	200
		10%	400
30%	1 Litre	0.5%	17
		1%	33
		2%	67
		5%	167
		10%	333