REPORT

Microbial efficiency report of HIGH SAFE disinfection

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A. METHODOLOGY BRIEFING:

Bacterial suspension from different resistant hospital strains were mixed with the given concentration of detergent and left for different contact times (5, 10, 15, 20 minutes) then cultured.

B. CARRIER TEST:

No.	Test Strains	Concentration and duration of exposure	
		10 minutes	15 minutes
1	*Staphylococcus aureus*	No growth	No growth
2	*Pseudomonas aeruginosa*	No growth	No growth
3	*Klebsiella species*	No growth	No growth
4	*Escherichia coli*	No growth	No growth
5	*Candida albicans*	No growth	No growth

Reference value: Efficient if no growth.

C. SUSPENTION TEST:

No.	Test Strains	Microbicidal effect at given concentration and duration of exposure	
		10 minutes	15 minutes
1	*Staphylococcus aureus*	5	5
2	*Pseudomonas aeruginosa*	5	5
3	*Klebsiella species*	5	5
4	*Escherichia coli*	5	5
5	*Candida albicans*	5	5

Test bottle for 10, 15 minutes is efficient with all reference organisms:

1. Microbicidal effect: ≥ 5 (99.99 %).
2. Microbicidal effect: = 2 (92 %).
3. Microbicidal effect: = 1 (90 %).

D. CAPACITY TEST:

No.	Test Strains	Number of loads without growth at given concentration	
		10 minutes	15 minutes
1	*Staphylococcus aureus*	5	5
2	*Pseudomonas aeruginosa*	5	5
3	*Klebsiella species*	5	5
4	*Escherichia coli*	5	5
5	*Candida albicans*	5	5

Phenol 5 % for (10 minutes) is efficient with all reference organisms (Number of loads = 2 – 3).

1. Efficient if number of loads ≥ 2
2. Inefficient if number of loads = 1

E. RECOMMENDATIONS:

The tested disinfectant is efficient against all tested strains at the given concentration, so it is recommended to be used as disinfectant t this concentration.

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Signature

_____
Date