

1. Defined by level of disinfectant

Level	Contents
High Level Disinfectant	- Sterilizer that removes all of the microorganisms (Ex: endoscope disinfection, needle disinfection etc.)
Low Level Disinfectant	- Sterilizer that inactivates some of the microorganisms and annihilates all the bacteria. (Ex: hand sanitizer, Toilet + Wall cleaning etc.)

2. Evaluation Method

The procedure is similar to NEMA LD3 such that a drop of disinfectant is placed on the surface of a sample and after 16 hours, the effect on surface is observed.

3. Test result

Disinfectants	Usage	Result
2.5% Glutaraldehyde	High level	Slight deglossing
5.75% Ortho-Phthalaldehyde	High level	No effect
7.5% Hydrogen peroxide	High level	Slight deglossing
0.2% Peracetic acid	High level	Slight deglossing
650ppm Hypochlorite	High level	Slight deglossing
200ppm Hypochlorite	Low level	No effect
70% Alcohol (ethyl, isopropyl)	Low level	Slight deglossing
Iodine	Low level	No effect
0.5% Phenol	Low level	No effect

4. Details

As shown above, the effect of disinfectants on Staron depends highly on the type and level of disinfectants. However, Staron could be easily restored to its original condition by simple care and maintenance. Any stains or degloss can be easily cleaned by a wet scotch-brite pad or abrasive cleanser. Prolonged exposure to concentrated disinfectants may cause damage to the surface, hence sample test is highly recommended before any appliance.

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