Effects of Disinfectant Wipes on Sensitive Healthcare Surfaces

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OBJECTIVES

The main objective of the study was to test different disinfectant wipes on sensitive surfaces and examine any effects on the surface appearance and quality.

METHODS

Disinfectant Wipe Products Tested

The disinfectant wipes used in the study are outlined in Table 1 below. Infosys Disinfectant Products

Product 1

Active ingredients:
- 70.5% Ethanol, 0.2% Chlorhexidine gluconate

Product 2

Active ingredients:
- 0.55% Sodium hypochlorite

Product 3

Active ingredients:
- 2% Quaternary ammonium, 1% Ethanol

Product O/V

Active ingredients:
- 70% Ethanol, 0.5% Quaternary amine

Product C

Active ingredients:
- 70% Ethanol, 0.5% Quaternary amine

Product T

Active ingredients:
- 70% Ethanol, 0.5% Quaternary amine, 0.22% Hydrogen peroxide

Disinfectant Wipes are effective at removing bacterial and fungal pathogens from high-touch surfaces. Wipes containing ethanol and chlorhexidine did not damage or leave a film on any of the test surfaces, suggesting they can be used on a variety of surfaces and materials.

CONCLUSIONS

High-touch surfaces can serve as reservoirs for bacteria and fungi that can cause infections. Disinfectant wipes are effective at removing bacterial and fungal pathogens from high-touch surfaces.

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