

Environmental Surface Cleaning and Disinfection: Effects of Alcohol Concentration

Cleaning of tiles coated with 10%, 50%, and 100% bacteria/blood contaminated surfaces was found to be best accomplished when CaviWipes™ were used. In contrast, the **high-alcohol disinfectants were unable to consistently and effectively remove debris from surfaces** coated with 50% and 100% contaminated bioburden. Most of the debris remained after wiping procedures.



10%
DILUTION

50%
DILUTION

100%
WHOLE BLOOD

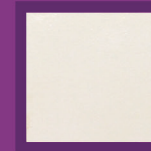
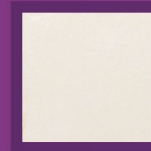
LOW ALCOHOL

CaviWipes™



Virtually all
visible soil
was removed
on the tiles

TILES CLEANED WITH LOW-ALCOHOL CAVIWIPES:



HIGH ALCOHOL DISINFECTANTS

Super Sani-Cloth®

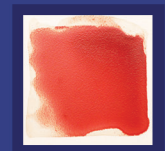
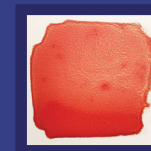
EPA Reg. No. 9480-4

Super Sani-Cloth® is a registered trademark of Nice-Pak Products



Most of debris
still remains
after wiping
procedures

TILES CLEANED WITH HIGH-ALCOHOL DISINFECTANT:



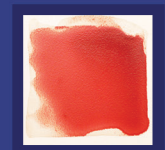
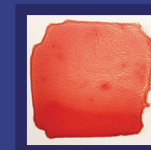
Lysol® III Disinfectant Spray

EPA Reg. No. 777-99-675

Lysol® is a registered trademark of Rickett Benckiser LLC



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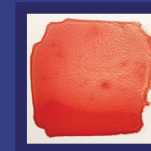
DisCide® Ultra Disinfecting Wipes

EPA Reg. No. 10492-4

DisCide® is a registered trademark of J Palmero Dental Inc.



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procedures



Properties of an Ideal Disinfectant



BROAD SPECTRUM

Should have the widest possible antimicrobial spectrum



ODORLESS

An inoffensive odor would facilitate its routine use



FAST-ACTING

Should always have rapid lethal action on all vegetative forms of bacteria, fungi, and viruses

Active in the presence of organic matter such as blood, sputum and feces



NON-TOXIC



SURFACE COMPATIBILITY

Should not compromise integrity of dental equipment and metallic surfaces

Should not cause the disintegration on hard non-porous surfaces



SUITABLE TO ENVIRONMENT OF USE



ECONOMICAL COST OF USAGE



NON-ALLERGENIC



EASY-TO-USE FOR EVERYDAY USAGE