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Rapid Solutions for Food Safety

## Effect of Cleaning Chemicals/Disinfectants on Pro-Clean<sup>®</sup>

The cleaners/sanitizers were used at the normal working concentration (x1) and at other concentrations (x0.5 – x10) relative to the normal working concentrations (shown in brackets).

Sanitizer	Type cleaner/sanitizer	Concentration	Effect	
			Positive (protein)	Negative (no protein)
Terminol (Terminal)	QUAT (Disinfectant)	1% (x 1)	No effect	No effect
Terminol (Terminal)	QUAT (Disinfectant)	5% (x5)	No effect	False positive (level 4 in <5 min)
TRS5 (Terminal)	Amphoteric (Sanitizer)	1% (x 1)	No effect	No effect
TRS5 (Terminal)	Amphoteric (Sanitizer)	5% (x5)	No effect	No effect
Domestos power cleaner (Terminal)	Chorine/Anionic surfactant (Cleaner)	1% (x 1)	No effect	No effect
Domestos power cleaner (Terminal)	Chorine/Anionic surfactant (Cleaner)	5% (x5)	No effect	No effect
P3 Topax 66	Chlorine/NaOH/ Non-Ionic surfactant (Cleaner)	5% (x1)	Slight inhibition of color change (level 3 – 2/3)	Not tested
P3 Topax 66	Chlorine/NaOH/ Non-Ionic surfactant (Cleaner)	10% (x2)	Almost complete inhibition of color change	Not tested
Chlorfoam	Chlorine/alkaline/ surfactant (Cleaner)	1% (x 1)	Slight inhibition of color change (level 3 – 2/3)	No effect
Chlorfoam	Chlorine/alkaline/ surfactant (Cleaner)	5% (x5)	Almost complete inhibition of color change	No effect



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P3 Oxonia (Terminal)	Paracetic/H <sub>2</sub> O <sub>2</sub> / Acetic acid (sanitizer)	1% (x1)	Enhancement of color change (from level 3 – 4)	False positive (level 4 in <2 min)
P3 Oxonia (Terminal)	Paracetic/H <sub>2</sub> O <sub>2</sub> / Acetic acid (sanitizer)	5% (x5)	Enhancement of color change (from level 3 – 4)	False positive (level 4 in <2 min)
Sodium Hypochlorite	Disinfectant	2000ppm (x10)	No effect	No effect
Sodium Hypochlorite	Disinfectant	200ppm (x1)	No effect	No effect
Sodium Hypochlorite	Disinfectant	20ppm (x0.1)	No effect	No effect
Hydrogen Peroxide	Disinfectant	1% (Not known)	Enhancement of color change (from level 3 – 4)	False positive (level 4 in <2 min)
Hydrogen Peroxide	Disinfectant	0.1% (Not known)	Enhancement of color change (from level 3 – 4)	False positive (level 4 in <2 min)
Hydrogen Peroxide	Disinfectant	0.01% (Not known)	Enhancement of color change (from level 3 – 4)	False positive (level 3/4 in 10 min)
Hydrogen Peroxide	Disinfectant	0.001% (Not known)	No effect	False positive (level 1/2 in 10 min)
Hartnoll Antibacterial Cleaner (Terminal – spray on/wipe off)	Non-ionic/cationic surfactants & isopropanol (Cleaner)	Neat (x1)	No effect	No effect
Mikro-Chlor (Terminal)	Chlorine/alkaline	400ppm Chlorine (x2)	Almost complete inhibition of color change	No effect
Mikro-Chlor (Terminal)	Chlorine/alkaline	200ppm Chlorine (x1)	Inhibition of color change (level 3 – 2)	No effect



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Mikro-Chlor (Terminal)	Chlorine/alkaline	100ppm Chlorine (x0.5)	Slight inhibition of color change (level 3 -2/3)	No effect
SterBac	QUAT (disinfectant-food contact surfaces)	800ppm (x1)	No effect	No effect
SterBac	QUAT (disinfectant – non food contact surfaces)	400ppm (x1)	No effect	No effect
SterBac (Terminal)	QUAT (sanitizer)	200ppm (x1)	No effect	No effect
Sterasan (Terminal)	Cleaner and Disinfectant	Neat (x1)	No effect	No effect
Sterapipe	Chlorine/alkaline	0.5% (x0.5)	No effect	No effect
Sterapipe	Chlorine/alkaline	1% (x1)	Slight inhibition of color change (level 3- 2/3) in 2/5 samples	No effect
Sterapipe	Chlorine/alkaline	2% (x2)	Inhibition of color change (level 3 – level 2)	No effect

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