



PCS-NANO-G microfibre cloths

PCSMF-NANO-G Cloths • 14 x 14 inch • 280 gram weight • 300 per case

PCS custom-designed cloth is embedded with Zinc Oxide during the microfibre cloth manufacturing process. It provides peace of mind that PCS Nano Cloth can destroy attached bacteria after use.

Reduces odour from soil accumulation in cloths and reduces contamination in damp cloths after use. PCS regular microfibre cloths had 14,127,222 colony-forming units of Staphylococcus aureus attached to the cloth after use and storage in a damp plastic bag for 24 hours.

PCS-MF-NANO-G microfibre cloth after use and storage in a damp plastic bag for 24 hours reduced the number of Staphylococcus aureus attached to cloth after use and storage by 14,127,222 CFU,s or 100 percent.

Table 2 shows the results of the recovery assay on each type of microfibre cloth after 24 hours.

Table 2: The result of the microbicidal assay on the two types of microfibre cloth.

	CFU Recovered		Log10 (CFU) Recovered		log10 Reduction of PCS-MF-NANO-G	Percent Reduction of PCS-MF-NANO-G
	Control (Regular Microfibre Cloth)	PCS-MF-NANO-G Microfibre Cloth	Reduction	Transfer		
Test 1	18,333	0	4.26	0	4.26	100*
Test 2	28,236,111	0	7.45	0	7.45	100*
Average	14,127,222	0	5.86	0	5.86	100*

*No CFU was recovered from the PCS-MF-NANO-G Microfibre Cloth

Summary of the result

The recovery assay on the two types of the cloths shows a complete inactivation of S. aureus by PCS-MF-NANO-G microfibre cloth while in average 5.86 log10 CFU was recovered from regular microfibre cloth.

References

[Assessment of the Combined Activity of Spraying PCS Peroxy Cleaner and Wiping of PCS MFNANO-G Microfibre Cloth for Cleaning/Disinfecting Hard, Non-Porous Environmental Surfaces and its Microbicidal Activity: Testing with Staphylococcus aureus as Healthcare-Associated Pathoge](#)

[Deposition of Zinc Oxide on Different Polymer Textiles and Their Antibacterial Properties](#)

[Decontamination of high-touch environmental surfaces \(HITES\) by wiping: quantitative assessment of a carrier platform simulating pathogen removal, inactivation and transfer in the field](#)