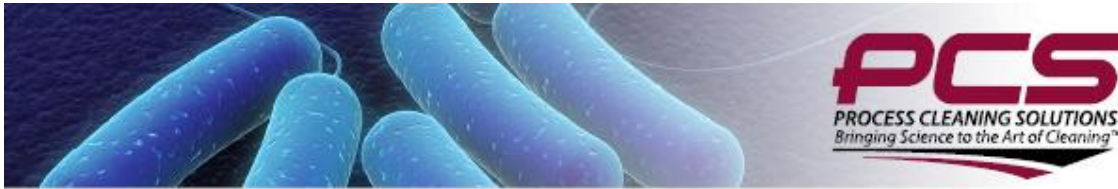




## NEWS RELEASE

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### **Canadian Firm Proves New Green Cleaning Process Trumps Disinfecting by Physically Removing Superbugs**

PETERBOROUGH – The Canadian firm Process Cleaning Solutions (PCS) has released data confirming that its new MicroClean Deep-Cleaning Process can beat the performance of disinfectants by physically removing superbugs from environmental surfaces. This revolutionary result means that proper cleaning alone can make hospitals safer than current procedures involving dangerous disinfectant chemicals.

Independent testing at Aquatox Laboratory in Guelph, Ontario showed that PCS’s new cleaning process can achieve the same standard required of disinfectants — reduction of bacteria and bacterial spore populations by 99.9999% (a “6-log” reduction). The PCS process also showed no residual bacteria or spores present after physical cleaning. In a comparison test, an international brand of disinfecting bleach was not able to achieve the same standard, nor was it able to completely remove all bacterial spores.



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Current outbreaks of hospital-borne infections caused by bacteria spores (e.g. *c difficile*) have caused public interest in the safety of Canadian hospitals. A recent World Health Organization report stated that Canadian hospitals have some of the highest health-care-related infection rates in the developed world. This is in part because our hospitals are dirty, not because of lack of effort, but rather because the cleaning and disinfecting practices are not completely removing soil and all pathogens from the environment.



The most popular weapon to date in the battle against superbugs has been potent disinfectants, which require a significant time to kill bacteria in the process of disinfection. Because the focus has been on killing bacteria rather than on thorough cleaning, disinfecting failures occur when

disinfectants are applied to incompletely cleaned surfaces. Some of the current products and practices also damage surfaces and make them even more difficult to clean.

The new PCS process solves the problem by more thorough and complete physical removal of soil, bacteria and bacterial spores, in the cleaning process itself. If ever additional disinfecting is deemed to be required, it can be done more efficiently and safely following the new deep cleaning process. The new PCS process was designed to imitate standard hospital procedure for cleaning hands, which works very effectively by removing bacteria and bacteria spores.