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The environment is constantly attacked by a wide variety of toxic compounds of the organochlorine family. However, a recent discovery indicates that certain strains of *Pseudomonas* bacteria can decompose some polychlorinated compounds. These micro-organisms produce enzymes that destroy the nucleus of molecules of polychlorinated hydrocarbons and release the chlorides that render the molecule toxic. This approach can also be used with polychlorinated biphenyls (PCBs).

In collaboration with the Biotechnology Research Institute in Montreal and the National Scientific Research Institute-Health (INRS-Santé), the Sanivan Group of Anjou, Quebec, is developing a PCB biodegradation process. This initiative will require extensive effort and rigorous research protocol, but tests have already been carried out in the field and the Sanivan Group expects that a biological decontamination process could be available at the beginning of the 1990s.



Class 100 Clean Room for the determination of trace levels of environmental contaminants. (CBR International Biotechnologies Corporation)