



International Products

C O R P O R A T I O N

609-386-8770 | Fax: 609-386-8438 | www.ipcol.com

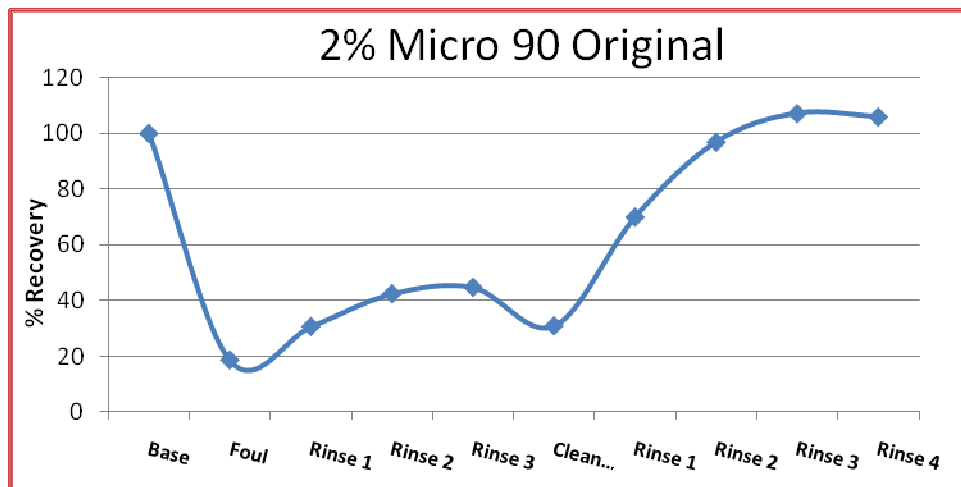
PRESS RELEASE
June 2009

Contact us:
mkt@ipcol.com
(609) 386-8770

IPC's Lab offers Filter Membrane Compatibility and Studies

Burlington, New Jersey, USA: International Products Corporation's (<http://www.ipcol.com>) research laboratory is now capable of performing [filter membrane compatibility](#) and performance studies using a versatile lab filtration system. "We have the ability to evaluate any type of membrane media, from UF to RO, and its interaction with different cleaners", says President, Kathy Wyrofsky. "Our goal is to be able to recommend the most effective cleaner for your specific application by working with your soil and membrane to help you achieve maximum flux results."

A typical cleaning profile using a 2% [MICRO-90](#)® Concentrated Cleaning solution was successfully matched to a current UF system. A soluble oil coolant regularly fouled a polymer membrane with a 100,000 molecular weight cut-off threshold. After testing a dozen cleaners, MICRO-90 was the clear choice for this system. With MICRO-90 as part of a regular preventive maintenance schedule, the flux recovery exceeded 100%. See the graph below.



With Micro-90 as part of a regular preventive maintenance schedule, the flux recovery exceeded 100%.

Significant efficiencies are realized when the right cleaner is matched to a specific UF or RO system. Many commodity chemicals will improve the flux to about 85%, maybe even as high as 90% recovery; however, a matched specialty cleaner that pushes the performance higher by even a few tenths of a percent translates into thousands, perhaps tens of thousands of gallons of additional, successfully-processed water, extended membrane life, reduced downtime, and lower operating costs. The lab unit can be tailored to mimic real-life filtration scenarios.



International Products

C O R P O R A T I O N

609-386-8770 | Fax: 609-386-8438 | www.ipcol.com

There are an unlimited number of test scenarios possible. According to Research Scientist, Al Gabbianelli, "We have a variety of membrane substrates with different pore sizes to test. Plus, by adjusting variables like permeate pressure, hydraulic pressure, circulation time, concentration, and shim gap an optimum flux rate can be determined. As our database grows, we're finding that we can hone in on the best cleaner match rather quickly. We have found that some cleaners actually contribute to the reduction of flux."

Test inquiries should be directed to the Filter Membrane Laboratory of International Products Corporation by emailing mkt@ipcol.com or calling 609-386-8770. You may also complete a form online at <http://www.ipcol.com/membranetest>.

International Products Corporation specializes in the manufacture and distribution of environmentally-friendly specialty cleaners and temporary assembly lubricants at their ISO 9001-Certified, state-of-the-art manufacturing, packaging and warehousing facility in Burlington, New Jersey. [Free samples](#) of our products, including Micro-90 are available upon request.

###