



# MWH Laboratories

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Attn: Adam Levinson/Lynette MacFee

This letter summarizes the experiments we conducted for SIP Technologies for *Pseudomonas*.

We started with an Alpine Cooler equipped with the Omega Sanitizing apparatus. We then added approximately 1 gallon of bottled water from a finished product sample that was dosed to contain high levels of *Pseudomonas* (28,000-34,000 CFU)

The cooler was programmed by SIPTECH to perform the sanitization cycle with the Omega system (20 minute run) and then a sample was collected both from the top of the cooler and through the faucet. The cooler was set for a second cycle of sanitization and retested.

Results are summarized below.

Sample	<i>Pseudomonas</i> Result (counts/ml)
Pre-treatment – faucet	34,000
Pre-treatment – top of system	28,000
Post- First Treatment – faucet	4,800
Post – First Treatment – top of system	320
Post Second treatment – faucet	34
Post Second treatment –top of system	81

Two consecutive treatments of 20 minutes each reduced the *Pseudomonas* count by >99%. A single treatment led to reductions of >80% throughout the system and more than 98% for samples not collected through the faucet, which may maintain residual bacteria.

Sincerely yours,

Andrew Eaton, PhD  
Laboratory Director/Vice President