

Abstract:

Seychelle– Carbon-based water filters

Two Filter Types:

- WF-1914 (High Flow Filter)
- WF-1914A (Advanced Filter)
- Control (Untreated Seychelle filters) to be compared with Seychelle filters integrated with BioSafe.

Comments:

Filters cut to provide 2.5g of sample per 20mL of test inoculum

Results:

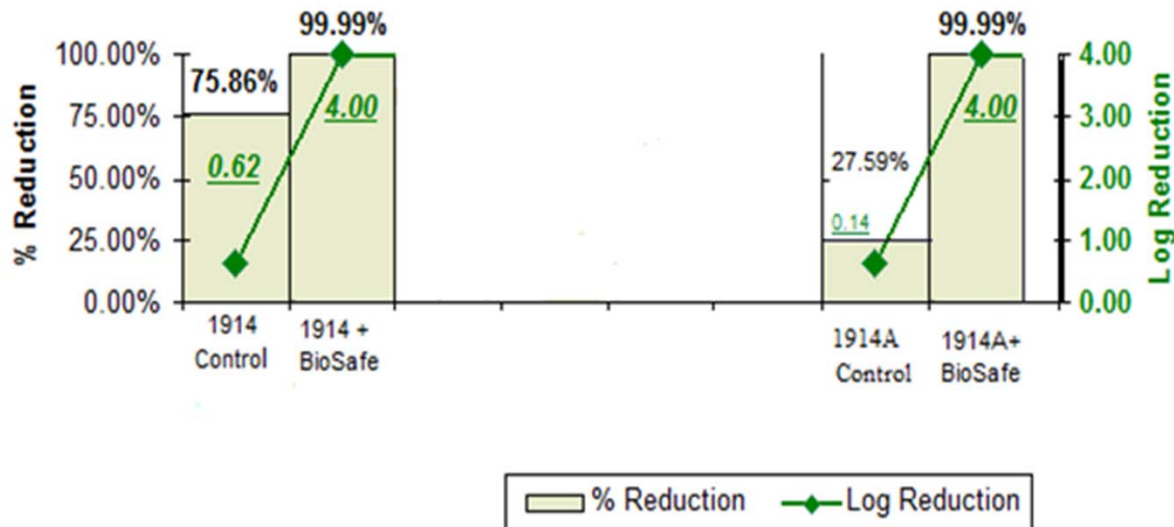
All 1914 (Standard Filters) *treated* samples achieved a 4 log reduction

All 1914A (Advanced Filters) *treated* samples achieved a 4 log reduction

Seychelle Filters Integrated with Antimicrobial Performance Test

Sample	Avg Surviving/mL	Avg Kill/mL	Log Kill	% Reduction	Log Reduction	N
Blank	8.20E+05	0.00E+00	0.00	0.00%	0.00	1
1914 Control	1.40E+05	4.40E+05	5.64	75.86%	0.62	1
1914 + HM4100	0.00E+00	5.80E+05	5.76	99.99%	4.00	1
1914A - Control	4.20E+05	1.60E+05	5.20	27.59%	0.14	1
1914A + HM4100	0.00E+00	5.80E+05	5.76	99.99%	4.00	1

Seychell Filters Integrated with BioSafe Antimicrobial- Performance Graph Plot



$t_0=5.80E5$ E. coli CFU/mL

*2.5g of sample per 20mL of inoculum

DWT241-1