



Marshall-Tufflex Bio Trunking Solutions Test Results

TEST RESULTS: Marshall-Tufflex Report #2422431
LABORATORY: Thornton Research Associates Inc., Ontario, Canada
TEST ORGANISM: Methicillin Resistant Staphylococcus Aureus (MRSA)

Quantitative Assessment of Activity – ISO 22196:2007					
MRSA					
Concentration of starting inoculum			4.94 x 10 ⁵ CFU/mL		
Sample Description		No. Bacteria Recovered	Log Value	R = [log(B/C)]	% Survival
1.	Flat profile – Blue Tape, White PVC – untreated control	7.19 x 10 ⁶	6.9	-----	-----
2.	Curved profile – Red Tape, White PVC – Treated with Ultra-Fresh CA-16	<2.00 x 10 ¹	<1.3	>5.6	<0.1%

The treated curved profile (Sample 2) showed excellent control of both MRSA and Klebsiella Pneumoniae with a greater than 99.9% reduction in bacteria compared to the untreated flat profile (Sample 1). The bacteria grew on the untreated sample.

TEST RESULTS: Marshall-Tufflex Report #2422435
LABORATORY: Thornton Research Associates Inc., Ontario, Canada
TEST ORGANISM: Klebsiella Pneumoniae

Quantitative Assessment of Activity – ISO 22196:2007					
K. pneumoniae					
Concentration of starting inoculum			1.16 x 10 ⁵ CFU/mL		
Sample Description		No. Bacteria Recovered	Log Value	R = [log(B/C)]	% Survival
1.	Flat profile – Blue Tape, White PVC – untreated control	3.06 x 10 ⁶	6.5	-----	-----
2.	Curved profile – Red Tape, White PVC – Treated with Ultra-Fresh CA-16	4.01 x 10 ²	2.6	3.9	<0.1%

The treated curved profile (Sample 2) showed excellent control of both MRSA and Klebsiella Pneumoniae with a greater than 99.9% reduction in bacteria compared to the untreated flat profile (Sample 1). The bacteria grew on the untreated sample.