

INVIROSHIELD



InviroShield™ 3.2 Vinyl with Permanent and Removable Adhesive

A PVC film with a control were submitted for a quantitative antibacterial assessment. The treated film has the antimicrobial agent distributed throughout the structure. Testing was performed in accordance to ISO 22196 with eight different bacteria. The antimicrobial efficacy results are outlined below.

Quantitative Assessment of Activity -ISO 22196:2011

		No . Bacteria Recovered	Log Value	Reduction Log	% Reduction
E.coli	Treated PVC film	1.49×10^2	2.2	4.9	>99.9%
	Inoculum Control	1.39×10^7	7.1		
K. pneumoniae	Treated PVC film	$<2.00 \times 10^1$	<1.3	>5.5	>99.9%
	Inoculum Control	6.78×10^6	6.8		
L. monocytogenes	Treated PVC film	$<2.00 \times 10^1$	<1.3	>4.5	>99.9%
	Inoculum Control	6.37×10^5	5.8		
S.aureus (MRSA)	Treated PVC film	4.70×10^1	1.7	4.6	>99.9%
	Inoculum Control	1.93×10^6	6.3		
P. aeruginosa	Treated PVC film	3.17×10^4	4.5	3.1	>99.9%
	Inoculum Control	4.11×10^7	7.6		
S. cholerasuis	Treated PVC film	2.95×10^1	1.5	5.3	>99.9%
	Inoculum Control	5.72×10^6	6.8		
S. aureus	Treated PVC film	3.30×10^1	1.5	3.5	>99.9%
	Inoculum Control	9.70×10^4	5		
E. faecalis (VRE)	Treated PVC film	4.42×10^3	3.6	3.1	>99.9%
	Inoculum Control	5.15×10^6	6.7		

These tests were conducted by an independent laboratory and Athens Paper Company Inc. does not assume liability for the accuracy of the results. The above information is believed to be reliable, but does not constitute a warranty of any kind. The characteristics of the film may change depending on frequency of cleaning, cleaning products used, environmental conditions, and so forth. All material should be fully tested by the purchaser to determine suitability of the product's performance related to the final application requirements and should be used and marketed in compliance with any applicable laws.