

Antimicrobial Test Laboratories

Fast, Reliable Antimicrobial Efficacy Testing

Amended Microbiology Study Report NG3611

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Client Information

Company Name: GenEon Technologies Sponsor: Syd Williams
E-mail: syd.williams@geneontechnologies.com

Test Information

Test(s) Performed: ASTME 2315-03 (2008) NG3611. Assessment of Antimicrobial Activity Using a Time Kill Procedure
SOP Followed: Testing Facility Operation 026.1 Performed by: N. Garcia

Sample Information

Date Received: 11-Sep-2012 Test Substance IDs: Trio Machine

Parameters

Microorganism(s): C. difficile ATCC 43598 (endospores)
Exposure Temp. Ambient (25 ± 5°C) # of Replicates: 3
Culture Age: N/A (Endospore Suspension) Target Conc: 1x10⁵ CFU/mL
Growth Medium: N/A (Suspended in RO H₂O) Enumeration Agar: C. difficile agar w/7% Horse blood
Contact Times: Time Zero, 10min Plate Incub. Temp.: 36.0 ± 1°C
Neutralizer Used: 0.9 mL Modified Lethen Broth Incubation Time: 6 days
w/ 0.1% Sodium Thiosulfate

Controls

Neutralized: Neutralized, See Notes Growth Control: Passed

Test Results

Test(s) Valid?: See Results Confirmation: Yes, Morphology on growth agar

Tests Completed: 24-Sep-2012 Original Report Sent: 27-Sep-2012
Amended Report Sent: 1-Oct-2012

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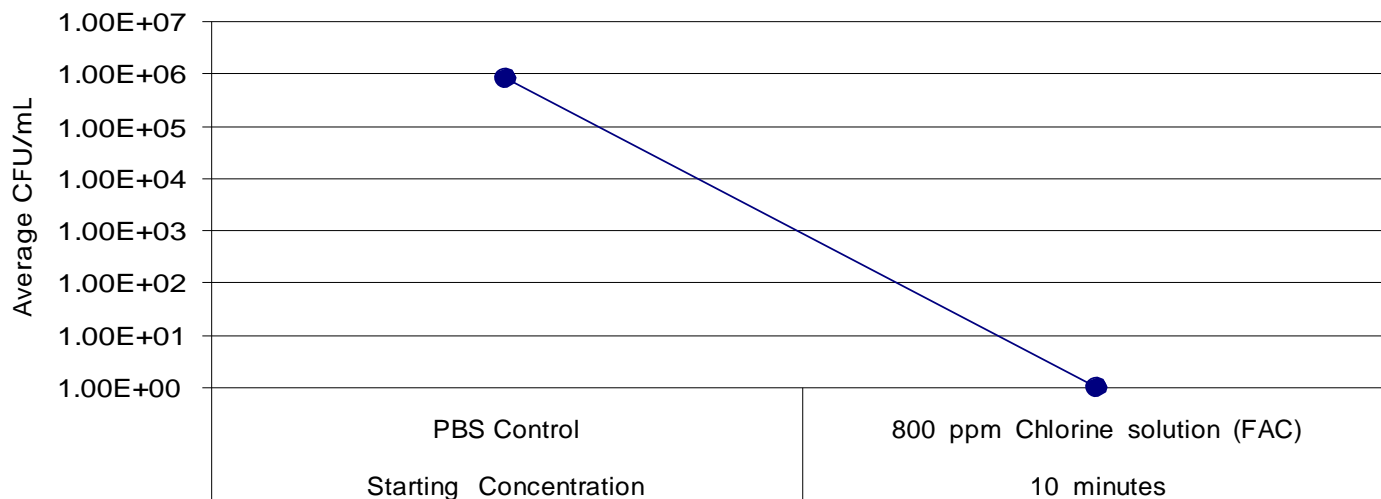
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Results

Microorganism	Contact Time	Test Substance	Replicate	CFU/mL	Average CFU/mL	Average Percent Reduction from Starting Concentration
C. difficile ATCC 43598 (endospores)	Starting Concentration	PBS Control	1	8.00E+05	8.00E+05	N/A
			2	9.50E+05		
			3	6.50E+05		
	10 minutes	800 ppm Chlorine solution (FAC)	1	<50	<50	>99.994%
			2	<50		
			3	<50		

Suspension Time Kill Results

● C. difficile ATCC 43598 (endospores)



Note: The limit of detection for this assay is 50 CFU/mL. Products with no bacterial colonies detected after contact time are presented as zero in this graph.

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Calculations

Method of Calculation
of Average Percent Reduction:

Average Percent Reduction = $(B-C/B) \times 100$, where:

B = Average number of viable cells in the control solution after 10 minutes.

C = Average number of viable cells in the test solution after 10 minutes.