Efficacy Data Sheet
#717 E2 Antibacterial Foaming Skin Cleanser

Cleaning Innovations That Matter.

For use in a variety of food service operations including meat/poultry plants, restaurants, supermarkets, butcher shops, delicatessens and other kitchens.

Time Kill Study

This study is designed to show Betco's #717 E2 Antibacterial Foaming Skin Cleanser rate of kill of a test substance after inoculation with a test organism. Results are expressed in percent reduction of the test organism Data listed below is based on a 15 seconds exposure time.

RESULTS:

Microorganism	ATCC Number	Test Population Control (CFU/ml)	Number of Survivors (CFU/ml)	% Reduction
Klebsiella pneumoniae	4352	4.1×10^6	5	99.9999
Listeria monocytogenes	19117	9.3×10^6	8.9×10^2	>99.99
Pseudomonas aeruginosa	15442	1.48×10^6	<5	99.999
Salmonella choleraesius serotype enteritidis	4931	1.48×10^5	3×10^1	>99.99
Shigella dysenteriae	13313	1.26×10^6	3.1×10^2	>99.9

Chlorine Equivalency Test

This study is designed to determine the available chlorine germicidal equivalent concentration of the #717 E2 Antibacterial Foaming Skin Cleanser as compared to 200, 100 and 50 ppm available chlorine in the NaOCl standard controls.

Initial Suspension Population
Staphylococcus aureus ATCC 6538 1.9×10^8 CFU/ml* *Colony forming units per ml of test mixture
Salmonella typhi ATCC 6539 1.2×10^8 CFU/ml

Test Organism	Test Substance	Concentration	SubCulture Series									
			1	2	3	4	5	6	7	8	9	10
S. aureus	NaOCl Control	200 ppm	0	0	0	0	0	0	0	0	+	+
		100 ppm	0	0	0	0	0	+	+	+	+	+
		50 ppm	0	+	+	+	+	+	+	+	+	+
	#717 E2	RTU	0	0	0	0	0	0	0	0	0	0
S. typhi	NaOCl Control	200 ppm	0	0	0	0	0	0	0	+	+	+
		100 ppm	0	0	0	0	+	+	+	+	+	+
		50 ppm	0	+	+	+	+	+	+	+	+	+
	#717 E2	RTU	0	0	0	0	0	0	0	0	0	0

+ = Growth of Organism

0 = No Growth of Organism

The subcultures of positive broths (tubes showing growth) demonstrated pure cultures of test organism.

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