ATZ TOUCH EFFICACY DATA

Bactericidal Data

Test Organism

Staphylococcus aureus

(ATCC 6538)

Salmonella choleraesuis

(ATCC 10708)

Pseudomonas aeruginosa

(ATCC 15442)

Brevibacteriumammoniagenes

(ATCC 6871)

Enterobacteraerogenes

(ATCC 13048)

Escherichia coli

(ATCC 11229)

Klebsiellapneumoniae

(ATCC 4352)

Salmonella schottmuelleri

(ATCC 8759)

Bactericidal Data (cont'd)

Shigelladysenteriae

(ATCC 12180)

Staphylococcus aureus (Methicillin resistant) (MRSA)

(ATCC 33593)

Staphylococcus aureus (Vancomycinintermediate resistant) (VISA)

Streptococcus faecalis

(ATCC 10541)

Streptococcus pyogenes (Clinical- Flesh Eating Strain, BIRD M3)

Streptococcus salivarius

(ATCC 9222)

ATZ TOUCH EFFICACY DATA

Conclusion:

Under the conditions of these investigations ATZ touch demonstrated disinfectant activity against Staphylococcus aureus, Salmonella choleraesuis, Pseudomonas aeruginosa, Brevibacteriumammoniagenes, Enterobacteraerogenes, Escherichia coli, Klebsiellapneumoniae, Salmonella schottmuelleri, Shigelladysenteriae, Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin intermediate resistant Staphylococcus aureus (VISA), Streptococcus faecalis, Streptococcus pyogenes (Clinical – Flesh Eating Strain, BIRD M3) and Streptococcus salivarius according to criteria established by the U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a bactericide.

BACTERIAL SANITIZATION DATA:

Test Method: AOAC Germicidal and Detergent Sanitizing Action of Disinfectants

Test Conditions: 200 ppm active quaternary 2 oz/3.5 gal dilution

Results: TOTAL BACTERIAL COUNTS/% KILL vs. EXPOSURE TIME

			30 seconds		60 seconds	
Test Organism	Sample	Synthetic Hard Water	TBC *	% Kill†	TBC *	% Kill†
Staphylococcus aureus	A	250	1120	99.999	65	99.999
(ATCC 6538)	B	250	1065	99.999	70	99.999
	C	250	1275	99.999	185	99.999
Escherichia coli	A	300	990	99.999	65	99.999
(ATCC 11229)	B	300	1215	99.999	80	99.999
	C	300	1460	99.999	190	99.999

* TBC = Total Bacterial Count, cfu/ml % Kill calculated based on initial inoculum control count of 75-125 x 10 efu/ml

Conclusion:

Under the conditions of these investigations, ATZ touch demonstrated sanitizing activity against Staphylococcus aureus and Escherichia coli according to criteria established by the U. S. Environmental Protection Agency for registration and labelling of a disinfectant product as a sanitizer.

ATZ TOUCH EFFICACY DATA

Virucidal Data

†Adenovirus Type 2

‡Bovine Viral Diarrhea Virus (BVDV)

***Feline Calicivirus (FCV)**

■Hepatitis B Virus (HBV) (Duck Hepatitis B Virus-DHBV)

‡Hepatitis C Virus (HCV) (Bovine Viral Diarrhea Virus-BVDV)

†Herpes Simplex Type 1 (Sabin)

***Human Coronavirus (ATCC VR-740, strain 229E)**

***Human Immunodeficiency Virus, HTLV-IIIrf, strain of HIV-1 (associated with AIDS)**

†Influenza A2 (Japan 305/57)

***Norovirus (Norwalk Virus) (FCV)**

†Vaccinia (Wyeth)

Conclusion: Under the conditions of this investigation, ATZ touch was virucidal for Adeno virus Type 2, Bovine Viral Diarrhea Virus (BVDV), Feline Calicivirus (FCV), Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), Herpes Simplex Type 1 (Sabin), Human Coronavirus, Human Immunodeficiency Virus (HIV-1), Influenza A2 (Japan 305/57), Norovirus (Norwalk Virus) and Vaccinia (Wyeth) according to criteria established by the

U.S. Environmental Protection Agency for registration and labeling of a disinfectant product as a virucide.

ATZ TOUCH EFFICACY DATA

Fungicidal Data

Conclusion:

Under the conditions of this investigation, ATZ touch was fungistatic for Aspergillusniger according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a disinfectant product as a fungistat.

Conclusion:

Under the conditions of this investigation, ATZ touch was fungicidal for Trichophytonmentagrophytes according to criteria established by the U. S. Environmental Protection Agency for registration and labelling of a disinfectant product as a fungicide.