



# ANTIMICROBIAL SOAP



**Durisan is the future in hand sanitation, offering the longest-lasting, water-based, triclosan-free antimicrobial soap.**

As schools continually face the threat of bacterial infections and their impact on student & faculty health and attendance, it costs the U.S. education system \$675 million in lost revenue and 164 million sick days nationwide. Durisan provides a cost-effective, industry-leading solution to hand and surface infection control.

Durisan's proprietary technology is formulated with ingredients, which create a non-migrating sanitizing agent, with moisturizing and conditioning properties. Traditional antimicrobial soaps provide only 15 seconds of effectiveness, while Durisan's Antimicrobial Soap offers active protection for up to 24 hours. Durisan's proprietary technology provides an environmentally safe, non-irritating solution that actively kills 99.9% of illness-causing germs for an extended period of time.

## The Durisan Difference: Antimicrobial Soap

- Kills 99.9% of illness-causing germs for up to 24 hours
- Triclosan-free
- Water-based, Odorless
- Moisturizing and Conditioning
- Non-toxic
- Environmentally safe
- Streamlined Product Portfolio
- Manufactured in FDA Compliant Facility



# TIME KILL ASSAY RESULTS



Durisan's antimicrobial soap's active ingredient, BZK, kills 99.9% of illness causing germs\* on contact. Listed below are the most prevalent bacterial pathogens tested:

Campylobacter jejuni	Klebsiella pneumoniae	Salmonella choleraesuis serotype typhimurium	Streptococcus pneumonia
Candida albicans	NDM -1 positive	Salmonella typhi	Streptococcus pyogenes
Clostridium difficile	Listeria monocytogenes	Shigella dysenteriae	Vibrio cholera
Enterococcus faecalis	Pseudomonas aeruginosa	Shigella flexneri	Xanthomonas axonopadis (Citrus Canker)
Vancomycin Resistant (VRE)	Salmonella choleraesuis serotype enteritidis	Shigella sonnei	Yersinia enterocolitica
Escherichia coli	Salmonella choleraesuis serotype paratyphi	Staphylococcus aureus	
Escherichia coli 0157:H7	Salmonella choleraesuis serotype pullorum	Staphylococcus epidermidis	
Klebsiella pneumoniae			

Time Kill Assay - American Society for Testing and Materials (ASTM). E2315-03, Guide for Assessment of Microbiocidal Activity Using a Kill-Time Procedure, Volume 11.05, Copyright 2005 ASTM International.

\*Kills 99.9% of most common germs that may cause illness

## EFFICACY STUDY DATA

Hand Soap Study #1	Lot #	Active Ingredient	Followup ATP Count							
			15 Seconds	30 Seconds	45 Seconds	1 Hour	4 Hour	8 Hour	24 Hours	
Durisan Antimicrobial Hand Soap	#060217	.1% Benzalkonium Chloride (BZK)	0	0	0	6	0	28	16	
Dial® Complete Antibacterial Hand Wash	#PM7E241580	.2% Benzalkonium Chloride (BZK)	10	0	2	111	840	164	1832	

  

Hand Soap Study #2	Lot #	Active Ingredient	Followup ATP Count							
			15 Seconds	30 Seconds	45 Seconds	1 Hour	4 Hour	8 Hour	24 Hours	
Durisan Antimicrobial Hand Soap	#060217	.1% Benzalkonium Chloride (BZK)	0	5	6	44	12	24	27	
Gojo® Luxury Foam Antibacterial Hand Wash	#172805	.3% Chloroxylenol	0	25	28	187	178	712	1639	

ATP LEVELS OF CLEAN	ATP Count	Description	
	Ultra Clean	0-10	Sterile surfaces and food prep areas
	Very Clean	11-30	Critical touch points
	Good Clean	31-80	Floor requirement, and typical microfiber towel performance
	Somewhat Clean	81-200	Surface should be cleaned and has some risk of contamination from disease-causing bacteria
	Dirty	201-500	Surface needs cleaning and has medium risk of contamination from disease-causing bacteria
	Very Dirty	501-1000	Surface needs cleaning and has medium to high risk of contamination from disease-causing bacteria
Fifty	>1000	Surface needs cleaning and has high risk of contamination from disease-causing bacteria	

The detection of adenosine triphosphate (ATP), the universal unit of energy in all microbial living cells, indicates the presence of biological matter and determines if surfaces are clean. While most hospitals use the recommendations above, it is possible to create custom limit for test location. For detailed instructions on establishing Pass/Fail limits or using Hygiene's ATP cleaning verification system, visit [www.hygiene.com](http://www.hygiene.com).

### Antimicrobial Soap

DSF-2501	250ml Antimicrobial Hand Soap Foamer-Single	DSF-1006	1000ml Antimicrobial Hand Soap Kidney Refill- 6-Pack
DSF-0550	550 ml Antimicrobial Hand Soap-Single	DSF-2103	Hand Soap Manual Dispenser for DSF-1000, 1002, 1006- Single
DSF-0558	550 mL Antimicrobial Hand Soap-8 pack	DSF-2303	Hand Soap Automatic Dispenser for DHS-1000,1002 1006 - Single
DSF-3785	1 Gallon Antimicrobial Hand Soap Refill- Single	DHS-9000	Hand Soap Automatic Dispenser Stand-Single
DSF-1000	1000ml Antimicrobial Hand Soap Kidney Refill- Single		
DSF-1002	1000ml Antimicrobial Hand Soap Kidney Refill - 2-Pack		



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