



PROTECTS  
UP TO  
24 HOURS

KILLS  
**99.9** %  
OF  
ILLNESS-CAUSING  
GERMS\*

ALCOHOL-  
FREE



# HAND SANITIZER WIPES

**Durisan is the future in hand sanitation, offering the longest-lasting, water-based, alcohol-free hand sanitizer wipes.**

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 binding technology is formulated with organic compounds, which create a non-migrating sanitizing agent, with moisturizing and conditioning properties. Traditional alcohol-based hand sanitizer wipes have only 15 seconds of effectiveness, while Durisan Hand Sanitizer Wipes offers active protection for up to 24 hours. Durisan's water-based, alcohol-free chemistry 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: Hand Sanitizer Wipes

- Kills 99.9% of illness-causing germs\* for up to 24 hours
- Proprietary binding agent made with organic compounds
- Alcohol-free
- Water-based, Odorless
- Moisturizing and Conditioning
- Non-toxic
- Environmentally-friendly
- Actively combats Healthcare-Associated Infections (HAI's)
- Streamlined Product Portfolio
- Exceeds FDA standards



# TIME KILL ASSAY RESULTS

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



<i>Campylobacter jejuni</i>	<i>Klebsiella pneumoniae</i> NDM -1 positive	<i>Salmonella choleraesuis</i> serotype typhimurium	<i>Streptococcus pneumonia</i>
<i>Candida albicans</i>	<i>Listeria monocytogenes</i>	<i>Salmonella typhi</i>	<i>Streptococcus pyogenes</i>
<i>Clostridium difficile</i>	<i>Pseudomonas aeruginosa</i>	<i>Shigella dysenteriae</i>	<i>Vibrio cholera</i>
<i>Enterococcus faecalis</i>	<i>Salmonella choleraesuis</i> serotype enteritidis	<i>Shigella flexneri</i>	<i>Xanthomonas axonopodis</i> (Citrus Canker)
Vancomycin Resistant (VRE)	<i>Salmonella choleraesuis</i> serotype paratyphi	<i>Shigella sonnei</i>	<i>Yersinia enterocolitica</i>
<i>Escherichia coli</i>	<i>Salmonella choleraesuis</i> serotype pullorum	<i>Staphylococcus aureus</i>	
<i>Escherichia coli</i> O157:H7		<i>Staphylococcus epidermidis</i>	
<i>Klebsiella pneumoniae</i>			

TimeKill 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 Sanitizer Product	Lot #	Active Ingredient	15 Seconds	30 Seconds	45 Seconds	1 Hour	4 Hour	8 Hour	24 Hours
Durisan Hand Sanitizer	#2116	.1% Benzalkonium Chloride (BZK)	0	0	0	0	0	8	16
Purell® Advance Hand Sanitizer Gel	#108722	70% Ethyl Alcohol	34	67	143	409	634	192	290

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
Filthy	>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 locations. For detailed instructions on establishing Pass/Fail limits or using Hygiene's ATP cleaning verification system, visit [www.hygiene.com](http://www.hygiene.com).

### Hand Sanitizer Wipes

**SA-HS4080-00** Hand Sanitizer 6"x6.75" Wipes – 80 count- Single  
**SA-HS4812-00** Hand Sanitizer 6"x6.75" Wipes – 80 count- 12 pack  
**SA-HS4160-00** Hand Sanitizer 6"x6.75" Wipes – 160 count- Single  
**SA-HS4860-00** Hand Sanitizer 6"x6.75" Wipes – 160 count- 12 pack

**SA-HS4240-00** Hand Sanitizer 6"x6.75" Wipes – 240 count- Single  
**SA-HS4840-00** Hand Sanitizer 6"x6.75" Wipes – 240 count- 12 pack  
**SA-HS4065-00** Hand Sanitizer 7.5"x15" Wipes – 65 count



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