

DISINFECTANT WIPES EFFICACY BASED ON EPA ACCEPTED LABEL CLAIMS FOR NON-SPORICIDAL PATHOGENS THAT THREATEN HUMANS

	Peak™ Disinfectant Wipes	Caviwipes 1	Caviwipes 2.0	Sani-Cloth Prime‡	Super Sani-Cloth	Opti-Cide Max	Opti-Cide 3	Clorox Hydrogen Peroxide Wipes‡	Oxivir 1 Wipes	Ecolab Disinfectant 1 Wipe	Purell Healthcare Surface Disinfecting Wipes
Active Ingredients	72.5% Alcohol 0.33% Quat	22.5% Alcohol 0.76% Quat	17.2% Alcohol 0.28% Quat	56.0% Alcohol 0.61% Quat	55.0% Alcohol 0.5% Quat	20.0% Alcohol 0.85% Quat	21.0% Alcohol 0.31% Quat	1.4% Hydrogen Peroxide	0.5% Hydrogen Peroxide	0.29% Sulfonic Acid	20.0% Alcohol
Signal Word (Toxicity Concern)	CAUTION	WARNING	CAUTION	WARNING	WARNING	CAUTION	CAUTION	CAUTION		CAUTION	
Required Surface Contact Time To Kill All Pathogens Listed on the Label (EPA Requirement)	1 min.	3 min.	2 min.	1 min.	2 min.	2 min.	2 min.	5 min.	1 min.	1 min.	5 min.
"One Step" Disinfection On A Visibly Clean Surface	YES	YES	YES	YES	YES	NO	NO	YES	YES	YES	YES
Virucidal (against viruses listed on the product label)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Bactericidal	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Tuberculocidal (by EPA definition of efficacy against M. bovis)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO
Fungicidal (by EPA definition of efficacy against T. interdigitale)	YES	YES	NO	YES	NO	YES	YES	YES	YES	YES	NO
EPA List N for Efficacy Against SARS-CoV-2	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
EPA List Q for Efficacy Against Emerging Viral Pathogens	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Safe for Use on Most Surfaces Including All Metals	YES	NO	YES	NO	YES	NO	YES	NO	NO	?	YES
INDIVIDUAL PATHOGEN KILL TIMES LISTED ON THE EPA ACCEPTED LABEL											
Mycobacterium (hardest to kill pathogen)											
Mycobacterium bovis (responsible for transmission of Tuberculosis)	1 min.	1 min.	2 min.	1 min.	1 min.	2 min.	2 min.	5 min.	1 min.	45 sec.	
Non-Enveloped Viruses (second hardest to kill pathogen)											
Poliovirus (the hardest to kill human virus)	1 min.							30 sec.			
Norovirus (foodborne on cruise ships, in restaurants and in the home)	1 min.		2 min.			1 min.		2 min.	30 sec.	1 min.	5 min.
Rhinovirus (a primary cause of the common cold)	1 min.			1 min.	2 min.		2 min.		1 min.	30 sec.	1 min.
Adenovirus	1 min.	3 min.	2 min.	1 min.	2 min.			2 min.	30 sec.	1 min.	
Rotavirus	1 min.		2 min.	1 min.	2 min.		1 min.	2 min.	30 sec.		30 sec.
Enterovirus EV-D68	1 min.			1 min.							
Enterovirus (including Echovirus or other Enterovirus)	Not Tested		2 min.								
Fungi (third hardest to kill pathogen)											
Trichophyton interdigitale (associated with Athlete's Foot and Ringworm)	1 min.	3 min.		1 min.	2 min.	1 min.	2 min.	2 min.	30 sec.	75 sec.	
Candida albicans	1 min.	1 min.		1 min.	2 min.			2 min.	1 min.	1 min.	
Candida auris	Not Tested		2 min.	1 min.	2 min.			2 min.	1 min.	75 sec.	
Bacteria (fourth hardest to kill pathogen)											
Encapsulated Bacteria											
Klebsiella pneumoniae (responsible for Pneumonia, Meningitis, or UTI)	1 min.	1 min.	2 min.	1 min.	2 min.		2 min.	30 sec.	1 min.	1 min.	
Streptococcus pneumoniae (responsible for Pneumonia or Meningitis)	1 min.			1 min.							
Pseudomonas aeruginosa	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	1 min.	1 min.	1 min.
Bordetella pertussis (Whooping Cough)	1 min.		2 min.	1 min.	2 min.	1 min.		1 min.	1 min.	1 min.	1 min.
Drug Resistant Bacteria											
Acinetobacter baumannii MDR	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	1 min.	1 min.	1 min.	1 min.
Carbapenem resistant Enterobacter cloacae CRE KPC MDR	1 min.			1 min.	2 min.	1 min.		30 sec.			
Carbapenem resistant Enterobacter cloacae CRE New Delhi MDR	1 min.		2 min.	1 min.					1 min.		
Escherichia coli - ESBL Producing MDR	1 min.	1 min.		1 min.				30 sec.	1 min.	1 min.	
Enterococcus faecium VRE	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	1 min.	1 min.	1 min.
Klebsiella pneumoniae ESBL Producing MDR	1 min.	1 min.		1 min.		1 min.	2 min.	30 sec.	1 min.	1 min.	1 min.
Staphylococcus aureus - Methicillin resistant MRSA	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	1 min.	1 min.	1 min.	1 min.
Staphylococcus aureus - Vancomycin resistant VRSA	1 min.			1 min.					1 min.		
Staphylococcus aureus Panel - Vancomycin intermediate VISA	1 min.	1 min.		1 min.		1 min.			1 min.		
Klebsiella pneumoniae - Carbapenem resistant (CRKP)	Not Tested		2 min.		2 min.			30 sec.		1 min.	80 sec.
Stenotrophomonas maltophilia	Not Tested		2 min.					30 sec.		1 min.	
Penicillin-Resistant Streptococcus pneumoniae	Not Tested		2 min.								1 min.
Gram Positive and Gram Negative Bacteria											
Listeria monocytogenes [+] (associated with Food Poisoning)	1 min.			1 min.			2 min.		1 min.		1 min.
Staphylococcus aureus [+]	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	1 min.	1 min.	1 min.	110 sec.
Streptococcus pyogenes [+]	1 min.		2 min.	1 min.				30 sec.	1 min.	1 min.	1 min.
Burkholderia cepacia [-]	1 min.	1 min.	2 min.	1 min.	2 min.				1 min.		
Campylobacter jejuni [-] (associated with Food Poisoning)	1 min.			1 min.	2 min.			1 min.			1 min.
Klebsiella aerogenes (formerly Enterobacter aerogenes) [-]	1 min.			1 min.		1 min.	2 min.	30 sec.	1 min.		75 sec.
Escherichia coli (E. coli) [-] (can cause gastroenteritis symptoms)	1 min.	1 min.	2 min.	1 min.	2 min.			30 sec.	1 min.	1 min.	1 min.
Legionella pneumophila [-] (Legionnaires Disease)	1 min.		2 min.	1 min.					1 min.		
Proteus vulgaris [-] (associated with UTI and wound infections)	1 min.			1 min.						1 min.	
Salmonella enterica [-] (associated with Food Poisoning)	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	1 min.	1 min.	1 min.
Shigella dysenteriae or sonnei or flexneri [-] (causes Dysentery or Shigellosis)	1 min.			1 min.				1 min.	1 min.		1 min.
Moraxella catarrhalis [-] (responsible for Gonorrhoea)	Not Tested		2 min.								
Micrococcus luteus [+] (naturally found in humans)	Not Tested		2 min.								
Streptococcus mutans [+] (found in dental plaque)	Not Tested		2 min.								
Enveloped Viruses (easiest to kill pathogen)											
Avian Influenza (H5N1 and H7N9 can be deadly to humans)	1 min.			1 min.			2 min.	1 min.	30 sec.	1 min.	15 sec.
Corona Virus (Human)	1 min.	1 min.		1 min.	2 min.	1 min.		30 sec.	30 sec.	1 min.	15 sec.
Corona Virus (Human) SARS or SARS-CoV-2 by EPA EVP Policy or Testing	1 min.	1 min.	2 min.	1 min.	1 min.	1 min.	2 min.	30 sec.	1 min.	1 min.	30 sec.
Cytomegalovirus	1 min.			1 min.				30 sec.	30 sec.	1 min.	
Hepatitis B	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	30 sec.	1 min.	20 sec.
Hepatitis C	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	30 sec.	1 min.	20 sec.
Herpes Simplex	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	30 sec.	1 min.	15 sec.
HIV-Aids	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	30 sec.	1 min.	15 sec.
Influenza A (associated with Pandemic Flu in humans and animals)	1 min.	1 min.	2 min.	1 min.	2 min.	1 min.	2 min.	30 sec.	30 sec.	1 min.	15 sec.
Influenza B (associated with non-Pandemic Flu)	1 min.		2 min.	1 min.				30 sec.	30 sec.	1 min.	15 sec.
RSV	1 min.		2 min.	1 min.	2 min.			30 sec.	30 sec.	1 min.	15 sec.
Vaccinia	1 min.			1 min.					30 sec.	1 min.	
Measles Virus	Not Tested		2 min.								
Parainfluenza	Not Tested		2 min.								15 sec.
Mumps	Not Tested										25 sec.

All information comes from the individual products' EPA Accepted Label. Product names may contain trademarks which are the property of the respective companies. Ranking of pathogen groups is based on *Guideline for Disinfection and Sterilization in Healthcare Facilities*, CDC (2008), and does not include Prions, Spores, or Cryptosporidium, which are harder to kill than Bacteria, Viruses or Fungi.

+ Has also demonstrated efficacy against multiple redundant strains of some pathogens. Those redundant pathogen claims are not listed here.