Sani-24® Germicidal Disposable Wipe
Frequently Asked Questions

Q: What is the contact time for the **Sani-24** Germicidal Disposable Wipe?

A: The **Sani-24** Wipe is effective against 27 microorganisms, including SARS-CoV-2, within a 1-minute contact time. Additional organisms are included within a 5-minute contact time; specific details listed below:

Figure 1. List of Disinfection Organisms*

CONTACT TIME	ENVELOPED VIRUSES
10 seconds	H3N2
	HBV
	HCV
	HSV1
	HSV2
	Human Coronavirus
	HIV
	RSV
	H1N1
	SARS-CoV-2

CONTACT TIME	BACTERIA
1 minute	MDR - *A. baumannii*
	E.. aerogenes
	ESBL *E. coli*
	E. coli O157:H7
	MDR – *E. aerogenes*
	VRE
	MDR – *E. faecium*
	CRE – *K. pneumoniae*
	P. aeruginosa
	MBL *P. aeruginosa*
	S. enterica
	S. aureus
	MRSA
	VISA
	VRSA
	MRSE

CONTACT TIME	YEAST
1 minute	*C. albicans*

CONTACT TIME	LARGE NON-ENVELOPED VIRUSES
2 minutes	Rotavirus

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Figure 1. List of Disinfection Organisms., cont.*

CONTACT TIME	FUNGI
5 minutes	*T. interdigitale*
CONTACT TIME	**SMALL NON-ENVELOPED VIRUSES**
5 minutes	Norovirus
	Poliovirus Type 1
CONTACT TIME	***MYCOBACTERIA***
5 minutes	*M. bovis* BCG (Tuberculosis) (TB)

Figure 2. List of Residual Disinfection Organisms (Continuously Active Disinfection)*

Upon following the directions for use for Continuously Active Disinfection, disinfection occurs within 5 minutes for certain organisms listed below following contamination events or touches for up to 24 hours post application.

CONTACT TIME	ESKAPE PATHOGENS
5 minutes	MDR - *A. baumannii*
	E. aerogenes
	MDR – *E. aerogenes*
	VRE
	MDR – *E. faecium*
	CRE – *K. pneumoniae*
	P. aeruginosa
	S. aureus
	MRSA

*The above organisms names may be abbreviated. Please refer to the **Sani-24** Technical Data Bulletin for detailed list of organism reference numbers and strain information.

Q: What are the active ingredients in the **Sani-24** Wipe?

A: The **Sani-24** Wipe is comprised of quat/alcohol formulation with active ingredients as follows:

Alkyl dimethyl benzyl ammonium chloride (50% C_{14}, 40% C_{12}, 10% C_{16}) 0.276%
Didecyl dimethyl ammonium chloride 0.104%
Octyl decyl dimethyl ammonium chloride 0.207%
Dioctyl dimethyl ammonium chloride 0.104%
Ethanol 68.610%
Other ingredients 30.699%
Total 100.000%

Q: What enables the Continuously Active Disinfection (CAD) Technology?

A: The **Sani-24** Wipe is an innovative, novel quat/alcohol formulation that includes an inactive proprietary polymer that binds the active quat to the surface, providing around-the-clock protection, even after multiple touches.

Q: How does the **Sani-24** Wipe differ from standard disinfectants?

A: After application with standard disinfectants, pathogens can immediately contaminate a surface as soon as they encounter it. The **Sani-24** Wipe is the first and only EPA-registered intermediate level disinfectant that provides Continuously Active Disinfection (CAD), breaking the chain of surface re-contamination for 24 hours.

Q: What is the EPA Registration number for the **Sani-24** Wipe?

A: The EPA Registration Number is as follows:

+ **Sani-24** Wipe: 42182-13-9480

Q: What is the shelf life for the **Sani-24** Wipe?

A: The shelf life for the **Sani-24** Wipe is 24 months or 2 years from the date of manufacture. Product can be used until the expiration date, even after being opened. Expiration date is considered the last day of the month of expiry.

Q: Does the **Sani-24** Wipe have a *soft surface* sanitization claim?

A: The **Sani-24** Wipe ***does not*** have a *soft surface* sanitization claim. It does have a hard nonporous, non-food contact sanitization claims for *E. aerogenes* and *S. aureus* at 10 second contact time.

Q: Does the **Sani-24** Wipe have an emerging viral pathogen claim?

A: Yes, the **Sani-24** Wipe meets the emerging viral pathogen claim based on efficacy claims for norovirus and poliovirus. The customer should follow the instructions for the norovirus and poliovirus 5-minute contact time, unless a claim for the emerging pathogen has been specifically tested for and approved (i.e., SARS-CoV-2).

Q: What are the key product details of the the **Sani-24** Wipe?

A:

	REORDER NO.	WIPE SIZE	WIPE COUNT	CASE PACK	TI/HI	CASE WEIGHT	CASE CUBE
Sani-24 Wipe							
Clinical Wipe Size Canister	P26672	5" x 6"	160	160/can, 12 cans/ case	10/3	23.68 lbs	1.430 ft^3
Extra Large Canister	P23284	7" x 12"	65	65/can, 6 cans/case	10/4	13.56 lbs	0.936 ft^3

Q: What are the Global Trade Item Numbers (GTINs) for the **Sani-24** Wipe?

A:

	GTIN FOR CANISTER	GTIN FOR CASE
Sani-24 Wipe		
Clinical Wipe Size Canister	00310819008921	20310819008925
Extra Large Canister	00310819008938	20310819008932

Q: Would the **Sani-24** Wipe ideally be used by EVS or Nursing or both?

A: Both, depending on the needs of the facility and the ownership of cleaning of the chosen areas where the **Sani-24** Wipe is to be utilized. Some facilities may even have volunteers overseeing the cleaning and disinfection of different pieces of equipment (ex. wheelchairs).

Q: What key units or departments can be targeted for the clinical benefit of the **Sani-24** Wipe?

A: The **Sani-24** Wipe and its CAD technology would be beneficial in any unit or department, including ICUs, NICUs, Oncology, EDs, Surgical Services, Dialysis, Patient Rooms, Waiting Rooms, etc.

Q: Where are some ideal areas the **Sani-24** Wipe can be used in the healthcare setting?

A: The **Sani-24** Wipe may be used as a routine general surface disinfectant. Conversations with IP and EVS may address where CAD technology would benefit the most i.e. Areas to keep in mind by asking the question, "Do you think that surface/piece of equipment is disinfected as often as it needs to be?" The following are examples, not all inclusive, of surfaces/areas that may not be as frequently disinfected as they should:

+ Life Flight helicopters and/or EMS transport vehicles
+ Public and staff restrooms
+ Stair and escalator rails
+ Vending machine buttons
+ EVS equipment and carts
+ Workstations on wheels (WOWs)/Computers on wheels (COWs)
+ Gel and soap dispensers
+ Dining areas
+ Patient shared equipment such as Hoyer lifts and vital sign towers
+ Waiting areas
+ Lab carts
+ Outer perimeter of OR/bronchoscopy/colonoscopy suites. Outer perimeter may include built-in cabinets, extra tables/supply carts, equipment.
+ Med prep areas
+ Transportation/wheelchairs
+ PT/OT rehab gym spaces
+ Elevator buttons/high traffic door handles
+ Common rooms/break rooms
+ ED
+ Registration
+ ATMs/kiosks
+ Diagnostic testing/imaging areas

Q: Is the **Sani-24** Wipe intended to help a facility consolidate SKUs?

A: This will be a facility-specific choice. The **Sani-24** Wipe may replace other quat/alcohol disinfectants currently in use to standardize SKUs. Or **Sani-24** Wipe's CAD technology can be used to supplement the current disinfectant products within the facility as part of a layered strategy for surface and equipment disinfection.

Q: What is the compatibility profile on the **Sani-24** Wipe?

A: The **Sani-24** Wipe is compatible with a broad range of surfaces and materials found in healthcare, including ABS plastic, stainless steel, and porcelain/marble.

Q: How does the lid on the **Sani-24** Wipe lid help make disinfection easier and more efficient?

A: The **Sani-24** Wipe features PDI's new Dual Access Lid, an intuitive design that enables quick dispensing of a single wipe or multiple wipes. There is a wide opening for rapid initial thread and reload, as well as a flip cap featuring Snap & Close Technology and definitive open/close positions to help eliminate wipes drying out.

Q: Does NFPA 30 (National Fire Protection Association's Flammable and Combustible Liquids Code) apply to the **Sani-24** Wipe?

A: NFPA 30 applies to the storage of flammable and combustible liquids. The **Sani-24** Wipe is exempt from the requirements of NFPA 30 because the scope of NFPA 30 (Section 1.1) states that it applies to the storage, handling and use of flammable and combustible liquids. Even though our products contain liquids that have been classified as flammable on the SDS, the wipes themselves are not classified as a liquid product. Rather, they are wipes impregnated with flammable liquids, even though there may be a small amount of free liquid in the bottom of the canister. According to the EPA, wipes are classified as a mixture product containing solids and liquids. The NFPA has also confirmed that wipes are not considered to be a liquid for the purposes of NFPA 30.

Q: How does the Continuously Active Disinfection (CAD) technology work?

A: Once the 1-minute contact time for immediate disinfection has been achieved, the antimicrobial shield (aka CAD) is active and will last for up to 24 hours or 96 touches against ESKAPE pathogens. Within those 24 hours or 96 touches, if the surface is re-contaminated, the antimicrobial shield will kill the ESKAPE pathogens within 5 minutes.

Q: What are the ESKAPE pathogens?

A: The acronym ESKAPE includes six epidemiologically important pathogens that exhibit multidrug resistance and virulence: *Enterococcus faecium, Staphylococcus aureus, Klebsiella pneumoniae, Acinetobacter baumannii, Pseudomonas aeruginosa*, and *Enterobacter* species.

Q: How harmful are the ESKAPE pathogens in respect to Healthcare Associated Infections (HAIs)?

A: The ESKAPE pathogens are responsible for over 40% of HAIs in the healthcare environment[1,2].

Q: What if the CAD shield is wiped from the surface?

A: If the surface with CAD shield is wiped with a solvent/alcohol-based product, the **Sani-24** Wipe must be reapplied to achieve CAD.

Q: How can the CAD shield be removed from the surface if any noticeable buildup occurs?

A: If the CAD shield needs to be removed, utilize a solvent/alcohol-based product (ex. **Easy Screen** Cleaning Wipe®, Super **Sani-Cloth**® Wipe). Once the surface is cleaned using a solvent or alcohol-based product, the **Sani-24** Wipe must be reapplied to achieve CAD.

Q: How Can ATP testing be used to validate continuously active disinfection (CAD) with the **Sani-24** Wipe?

A: If the ATP testing should not be used to validate the **Sani-24** Wipe. ATP testing is meant to validate cleaning processes. Further, the different ATP technologies can vary in sensitivity and can be impacted by disinfectant chemistry. Also, ATP testing detects both live and dead bacteria, and the CAD is intended to provide organism kill for up to 24 hours/96 touches. As a result, ATP reads may detect dead organisms and therefore produce false positive results with increased relative light unit (RLU) measurement.

Q: Would CAD technology be effective at 5-minute contact time for the microorganisms with contact times of 5 minutes such as Norovirus?

A: No, CAD technology is only listed as effective against ESKAPE pathogens per EPA master label.

Q: Is the CAD technology/antimicrobial protective shield noticeable once applied?

A: When used as directed, the **Sani-24** Wipe's CAD/protective shield provides protection against ESKAPE pathogens for up to 24 hours – even after multiple touches. Once dried, the visibility of the protective shield varies depending on surfaces/materials, humidity, user technique, etc.

1. Magill, et.al. Multistate Point-Prevalence Survey of Health Care–Associated Infections, N Engl J Med 2014;370:1198-208
2. Boucher, et.al. Bad Bugs, No Drugs: No ESKAPE! An Update from the Infectious Diseases Society of America, Clinical Infectious Diseases 2009; 48:1–12

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