

JET

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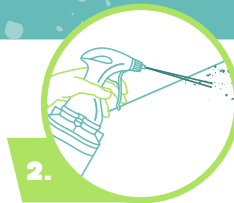
JET

— c —

SPORICIDAL FOAM

570
DOSES OF
FOAM

- 1 UNIFORM CONTACT TIME**
OF ONE MINUTE
- 1ST LEVEL OF COMPLIANCE**
TO ALL APPLICABLE EN STANDARDS
- 1 ACTIVE INGREDIENT**
CHLORINE DIOXIDE
- 1 DISINFECTANT**
FOR THE ENTIRE RESCUE VEHICLE



JET is a powerful sporicidal disinfectant that can be used on all surfaces and equipment in a rescue vehicle.

JET is also a powerful cleaner destroying RNA and DNA in seconds. Its cleaning efficacy meets the requirements of a medical instrument cleaner, effectively reducing levels of protein and carbohydrate.

POWERED BY CHLORINE DIOXIDE FOAM

JET is built upon the same core chlorine dioxide technology as the Tristel medical device disinfectant products, but specially adapted for surface disinfection where cleaning and biofilm destruction are so important.

Chlorine dioxide is widely regarded as one of the most effective disinfectants for biofilm removal and prevention. JET delivers chlorine dioxide as a foam. It creates no aerosols when used.

SAVING SPACE, REDUCING WASTE



3.5 Kilos



0.8 Kilos

Efficacy with the standard wipe in EN 16615 means JET can be used with any sustainably sourced wipe, avoiding the use and waste of plastic wipes.

JET IS SPORICIDAL, TUBERCULOCIDAL, VIRUCIDAL, FUNGICIDAL AND BACTERICIDAL.

A disinfectant is only effective if the contact time – i.e. the time in which efficacy has been proven – is shorter than the period during which the surface stays wet. The greater the difference, the greater the assurance you have that the disinfectant will always be effective in all conditions.

With only one minute needed for JET to satisfy all the test requirements of EN 14885:2018, JET gives you the highest level of assurance. Effective against:

- *Clostridium difficile*
- Tuberculocidal mycobacteria
- Norovirus
- Influenza A virus (H1N1)
- Blood borne viruses including HIV and HBV
- Carbapenem-resistant Enterobacteriaceae (CRE) *Klebsiella pneumoniae*
- Methicillin-resistant *Staphylococcus aureus* (MRSA)
- Vancomycin-resistant Enterococci (VRE) *Enterococcus faecium*
- *Candida auris*
- *Escherichia coli*

Complete compliance with EN 14885:

SPORES	EN 17126
	EN 13704
MYCOBACTERIA	EN 14348
	EN 14563
VIRUS	EN 14476
	RKI/DVV 2008
	DVV 2012
	EN 16615
YEASTS/FUNGI	EN 13624
	EN 14562
	EN 16615
BACTERIA	EN 13727
	EN 14561
	EN 16615

JET OFFERS TIME SAVING AND PEACE OF MIND WHEN EVERY MINUTE COUNTS

- CHASSIS AND STRETCHERS
- CERVICAL COLLAR
- DC SHOCK APPARATUS
- STEERING WHEEL
- AMBULANCE TABLES
- CARRYING CHAIRS
- BLOOD PRESSURE METERS
- PULSE OXIMETERS
- STETHOSCOPES



AVAILABLE TO ORDER NOW!

2 x 800ml JET per box

Quote: CCH010101

JET is CE marked as a Class IIa Medical Device in accordance with the European Medical Devices Directive 93/42/EEC and the 2007/47/EC amendments thereto.



cache™

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Microbiological Efficacy Summary

Testing performed in accordance to European Standard EN 14885:2018 and the latest regulatory efficacy requirements for disinfectants used in the medical area.

	ORGANISM	TEST NORM	TEST TYPE	CONDITIONS
SPORICIDAL	<i>Bacillus subtilis</i>	EN 17126	Suspension	Clean 1
	<i>Bacillus cereus</i>			
	<i>Bacillus subtilis</i>	EN 13704	Suspension	Clean 1 and Dirty 1
	<i>Bacillus cereus</i>			

MYCOBACTERICIDAL	<i>Mycobacterium terrae</i>	EN 14563	Carrier	Clean 1 and Dirty 2
	<i>Mycobacterium avium</i>			
	<i>Mycobacterium terrae</i>	EN 14348	Suspension	Clean 1
	<i>Mycobacterium avium</i>			

VIRUCIDAL	Poliovirus Type 1	EN 14476	Suspension	Clean 1
	Adenovirus Type 5			
	Murine Norovirus			

FUNGICIDAL / YEASTICIDAL	<i>Candida albicans</i>	EN 16615	Surface with mechanical action	Clean 1
	<i>Candida albicans</i>	EN 13697	Surface	
	<i>Aspergillus brasiliensis</i>	EN 14562	Carrier	
	<i>Candida albicans</i>			
	<i>Aspergillus brasiliensis</i>	EN 13624	Suspension	
<i>Candida albicans</i>				

BACTERICIDAL	<i>Staphylococcus aureus</i>	EN 16615	Surface with mechanical action	Clean 1	
	<i>Enterococcus hirae</i>				
	<i>Pseudomonas aeruginosa</i>				
	<i>Enterococcus hirae</i>	EN 13697	Surface		
	<i>Staphylococcus aureus</i>				
	<i>Pseudomonas aeruginosa</i>				
	<i>Escherichia coli</i>	EN 14561	Carrier		
	<i>Staphylococcus aureus</i>				
	<i>Enterococcus hirae</i>				
	<i>Pseudomonas aeruginosa</i>	EN 13727	Suspension		Clean 1 and Dirty 1
	<i>Staphylococcus aureus</i>				
	<i>Enterococcus hirae</i>				
<i>Pseudomonas aeruginosa</i>					

Additional Testing

DNA / RNA	TEST METHOD
	Polyacrylamide gel electrophoresis (PAGE)

PROTOZOA	ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
	<i>Acanthamoeba castellanii</i> cysts	Following the method of EN 13704	Suspension	Clean 1

SPORES	ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
	<i>Bacillus subtilis</i>	EN 14347	Suspension	Not applicable
	<i>Bacillus cereus</i>			
	<i>Bacillus subtilis</i> var niger	Babb JR, Bradely CR & Ayliffe GAJ (J. of Hosp. Inf. 1980 1:63-75)	Suspension	Clean 1 and Dirty 1

MYCOBACTERIA	ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
	<i>Mycobacterium avium</i>	DGHM	Carrier	Dirty 1
	<i>Mycobacterium terrae</i>			
	<i>Mycobacterium terrae</i>	Griffiths et al. Journal of Hospital Infection (1998)	Suspension	Clean 1 and Dirty 1

VIRUSES	ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
	Influenza A Virus (H1N1)	EN 14476	Suspension	Dirty 1
	Feline Calicivirus	ASTM E-1053	Surface	Dirty 2
	Poliovirus Type 1			
	Adenovirus Type 5			
	Hepatitis B Virus (HBV)			
	Herpes Simplex Virus Type 1			
	Human Immunodeficiency Virus (HIV)			
	Influenza A Virus (H1N1)	DWW/RKI	Suspension	Clean 2 and Dirty 3
	Poliovirus Type 1			
	Adenovirus Type 5			
	Murine Norovirus			
	Human Papillomavirus (using polyoma virus SV40 surrogate)			
	Vaccinia Virus			
	Parvovirus (using Minute Virus of Mice (MVM)surogate)			Dirty 3
	Murine Norovirus	EN 16615	Surface with mechanical action	Clean 1

	ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
FUNGI/YEAST	<i>Aspergillus brasiliensis</i>	EN 16615	Surface with mechanical action	Clean 1
	<i>Candida auris</i>	EN 14562	Carrier	
	<i>Fusarium solani</i>	EN 13624	Suspension	
	<i>Aspergillus flavus</i>			
	<i>Candida albicans</i>	AOAC Use Dilution Test	Carrier	Dirty 2
		DGHM	Carrier	Dirty 1

BACTERIA	<i>Staphylococcus aureus</i>	DGHM	Carrier	Dirty 1
	<i>Pseudomonas aeruginosa</i>			
	<i>Enterococcus hirae</i>			
	<i>Streptococcus pyogenes</i>	EN 16615	Surface with mechanical action	Clean 1
	Carbapenem Resistant Enterobacteriaceae (CRE) <i>Klebsiella pneumoniae</i>	EN 14561	Carrier	Clean 1
	Vancomycin Resistant Enterococci (VRE) <i>Enterococcus faecium</i>			
	Multidrug-resistant <i>Acinetobacter baumannii</i> (MDRAB)			Dirty 2
	Extended Spectrum Beta-Lactamase <i>Klebsiella pneumoniae</i> (ESBL)			
	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)			
	<i>Neisseria gonorrhoeae</i>	EN 13727	Suspension	Clean 1
	<i>Gardnerella vaginalis</i>			
	<i>Streptococcus agalactiae</i>			
	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)			Clean 1 and Dirty 1

Clean/Dirty Conditions Key:

Clean 1: 0.3 g/l bovine albumin - **Clean 2:** Aqua bidest

Dirty 1: 3g/l bovine albumin + 3g/l blood erythrocytes - **Dirty 2:** 5% blood serum - **Dirty 3:** 10% fetal calf serum

ARE YOUR TRAINING RECORDS UP-TO-DATE?

Training and certification is an essential part of customer service with Cache.

Our team of sales representatives are at your full disposal for initial roll-out training. This training is free of charge.

For follow-up training and recertification, we offer two options:

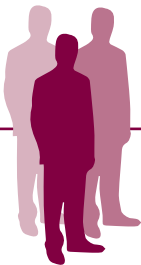
ONLINE TRAINING



The Online Training Portal contains videos explaining how to use each of the Cache disinfectants.

At the end of the video, a questionnaire will load. When all questions are answered faultlessly, a training certificate is automatically issued.

Please contact your local sales representative to request your Training Portal Access Code, or by emailing training@tristel.com.



PERSONAL TRAINING

Provided by a sales representative, personal training is subject to charge. For more information or to book, please contact your local sales representative using the contact details below.

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THE RISK OF INFECTION IN EMERGENCY MEDICINE

Patients seeking evaluation and awaiting treatment in emergency settings are not only able to spread communicable infectious diseases to healthcare professionals and other patients, but are also at risk of acquiring new infections (hospital acquired infections (HAIs)) associated with the care they receive¹.

Elderly patients who visit the emergency department are three times more likely to acquire an acute infection².

PREVENTION OF INFECTION TRANSMISSION IN EMERGENCY SETTINGS

Preventing the transmission of infectious microorganisms in emergency settings is vital in reducing the number of HAIs.

Decontamination of surfaces and medical equipment must be routinely performed in between patients to help prevent cross-infections amongst patients and healthcare professionals.

Patients infected with microorganisms such as MRSA, MDRAB, CRE, VRE and Coronaviruses can transfer these pathogens to sites in their immediate vicinity such as mattresses, bedpans, IV poles, guard rails, overbed tables, blood pressure cuffs, and the floor¹. Decontamination involves the cleaning of any heavy soiling (e.g. blood spills) and disinfection with the use of a high-level disinfectant such as JET and FUSE.

Future patients are also at risk when hospitalised in a room previously occupied by a patient infected with drug resistant microorganisms due to environmental contamination¹.

Using good hand hygiene etiquette routinely helps disrupt the transmission of infections and the spread of microorganisms from one area or person to another¹. Hand hygiene protocols should always be followed, especially when a healthcare professional enters the vicinity of an infected patient¹.

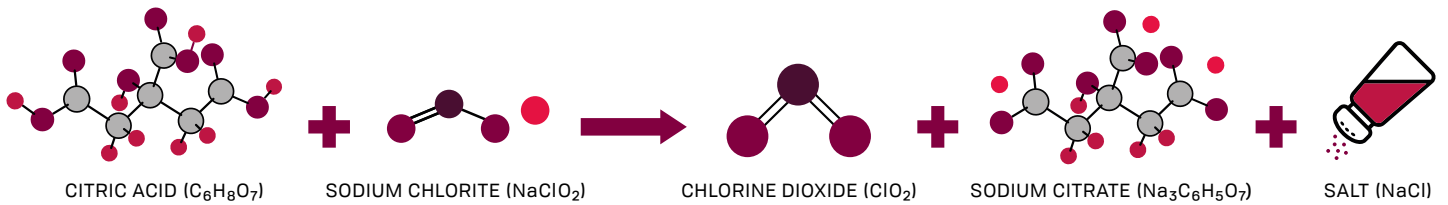
Always adhere to standard precautions and use personal protective equipment (PPE) such as gloves, protective gowns, masks, and eyewear. The implementation of reasonable healthcare safety precautions and infection control can minimise transmission of most contact-related infections and infectious microorganisms in emergency medicine³.

An estimated 300,000 NHS patients per year acquire healthcare associated infections⁴.

References:

1. Liang, S., Theodoro, D., Schuur, J. and Marschall, J., 2014. Infection Prevention in the Emergency Department. *Annals of Emergency Medicine*, 64(3), pp.299-313.
2. Quach, C., McArthur, M., McGeer, A., Li, L., Simor, A., Dionne, M., Levesque, E. and Tremblay, L., 2012. Risk of infection following a visit to the emergency department: a cohort study. *Canadian Medical Association Journal*, 184(4), pp.E232-E239.
3. Suri, P., Gopaul, R. and Bearman, G., 2018. [online] International Society for Infectious Disease. Available at: <http://isid.org/wp-content/uploads/2018/02/ISID_InfectionGuide_Chapter24.pdf> [Accessed 3 August 2020].
4. National Institute for Health and Care Excellence (NICE) 2014. Introduction | Infection Prevention And Control | Quality Standards | NICE. [online] Available at: <<https://www.nice.org.uk/guidance/qs61/chapter/Introduction#:~:text=It%20is%20estimated%20that%20300%2C000,England%20in%202011%20was%206.4%25.->> [Accessed 3 August 2020].

THE POWER OF CHLORINE DIOXIDE CHEMISTRY



Chlorine Dioxide (ClO₂) achieves its potent biocidal effect through oxidation. ClO₂ oxidises lipids and proteins present in cell membranes, leading to a loss in membrane integrity and ultimately cell death. ClO₂ can also penetrate cells and degrade nucleic acids via an oxidative pathway. Similar mechanisms are responsible for the ability of ClO₂ to inactivate viral particles. ClO₂ is proven effective in preventing biofilm build-up and in removing it from surfaces.

High-level disinfection is achieved within short contact times, enabling a quick turnaround of medical devices and surfaces.



EFFECTIVE IN SHORT CONTACT TIMES.



DOSED AT POINT OF USE.



SPORICIDAL, VIRUCIDAL, MYCOBACTERICIDAL, YEASTICIDAL AND BACTERICIDAL ACTIVITY.



ONE CONCENTRATION FOR ALL EFFICACY.



GOOD SAFETY PROFILE.



HANDY FOR PORTABLE TRAVEL.

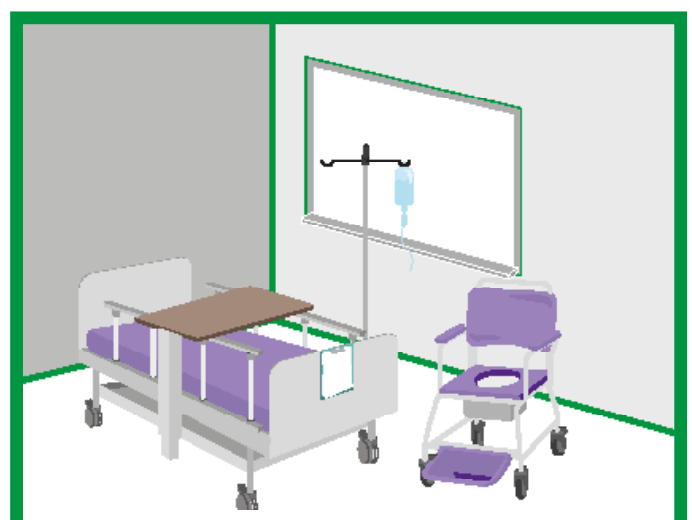
THE PRODUCTS POWERED BY CHLORINE DIOXIDE



JET: HIGH TOUCH AREAS

SUCH AS NEAR THE PATIENT AND EMERGENCY VEHICLES

JET is a powerful sporicidal disinfectant for use on near patient surfaces, providing the best safeguard for patients and staff wherever risks of infection are highest. Each bottle of JET produces 570 ready-to-use doses of foam which can be used with any spreader. JET achieves high-level disinfection, including sporicidal efficacy and virucidal efficacy against emerging viruses like SARS-CoV-2*, in one minute.



FUSE: LARGE SURFACE AREAS

SUCH AS FLOORS AND WALLS IN THE EMERGENCY ROOM

FUSE is ideal for the high-level disinfection of large surface areas, including walls and floors. Each FUSE sachet produces five litres of working solution at one concentration, with one contact time to destroy a wide range of microorganisms. FUSE achieves high-level disinfection, including sporicidal efficacy against emerging viruses like SARS-CoV-2**, in five minutes.



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