Information for Clinical Choice

Sporicidal Wipes

Support Document

Introduction

Information for Clinical Choice (ICC) has been developed to assist Clinicians in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the features of a range of similar products supplied through NHS Supply Chain.

The criteria provided, in the form of a Product Matrix and Support Document, is the result of a product review, conducted by DHLs Clinical Procurement and Quality Assurance Team with support from clinical stakeholders from across the NHS as part of our assurance process.

The aim, alongside delivering savings back into NHS frontline services, is to ensure that clinical choice remains at the forefront of any product switching decision.

Disposable Wipes: Sporicidal Wipes

Sporicidal wipes that are pre-loaded with active ingredients, such as peracetic acid, hydrogen peroxide or chlorine, may offer a convenient option for local disinfection where sporicidal activity is required.

All of the wipes on the catalogue have been tested to demonstrate that the active ingredient meets the relevant standards to demonstrate efficacy against spores including those of *Clostridium difficile* in dirty conditions.

Sporicidal wipes may be pre-moistened or may require the addition of water before use. Some offer absorbency properties for use on spills.

They come in a variety of pack sizes, including refillable tubs.

Where more than one pre-moistened wipe is provided in a pack, the packaging should safely contain the active ingredients and allow the wipes to remain moist when closed. Wipes should be able to be dispensed one by one. Wipes that require pre-moistening should be packaged to prevent moisture from reaching the wipe unintentionally.

Sporicidal wipes in this framework are intended for the decontamination of the general healthcare environment and/or non-invasive medical devices and/or for dealing with body fluid spillages. There may be wipes classified as Medical Devices, these should be used to decontaminate Medical Devices.

The information in this document includes additional information given by suppliers to show, where applicable additional tests and efficacy information, including contact times; log rates and other relevant organisms tested.

All suppliers are required to provide training, education and support to ensure that these products can be used safely and effectively. Additional information on training and other resources that may be provided are included in the document.

Sporicidal Wipes (Part 1)			
Supplier	**Biotechnics Limited**	**Gama Healthcare Ltd**	**Gama Healthcare Ltd**
Brand	Endurocide	Clinell	Clinell
MPC	R6-W-100T	CS25	CCLX70
NPC	VJT711	VJT113	VJT263
Description	Wipe Sporicidal	Wipe Sporicidal	Wipe Sporicidal
Picture			
Route	eDirect	Stocked	Stocked
UOI	Case of 1200	Case of 150	Case of 6
Medical Device Classification	N/A	Class lla	Biocide
No. wipes per pack	100	25	70
Type of pack	Canister	Flow Wrap	Canister
Weight of wipe GSM	42	57 (2 sheets)	40
Size of individual wipe	200mm x 200mm	210mm x 300mm	230mm x 170mm
Active ingredient (disinfectant)	Benzalkonium chloride (<1.5%); Didecyldimethylammonium chloride (<1.5%); Polyhexamethylene biguanide hydrochloride (<0.3%)	Peracetic acid 3,500ppm	Sodium hypochlorite 7,000ppm, sodium hydroxide <2,500ppm.
Wipe supplied wet or dry	Wet	Dry	Wet
If supplied dry, method of activation e.g. moistened with water	-	Moistened with water	-
Refillable	✓	×	×
Dispensing/packaging enhancements (e.g. plastic cover to flow wrap, bed end clip)	-	-	-
List of PPE recommended for use of product	Wear protective gloves.	Gloves and eye protection as recommended	As per local policy
Training can be tailored to individual trusts/customers	✓	✓	✓
Contact time required to meet BSEN17126 in dirty conditions for C diff spores with liquid extracted from the wipe	5 minutes	2 minutes	3 minutes
Log reduction achieved for above	4.06	>4.09	>4.54

Sporicidal Wipes (Part 2)			
Supplier	**Gama Healthcare Ltd**	**Guest Medical Ltd**	**Pal International Limited**
Brand	Clinell	Guest Medical	Medipal Chlorine Disinfection Wipes
MPC	CSW1EU	H9730	S570110MPCE
NPC	VJT268	VJT833	VJT574
Description	Spill wipes, absorbent pad & 2 sporicidal disinfectant wipes	Wipe Sporicidal	Wipe Sporicidal
Picture			
Route	Stocked	Blue Diamond	Stocked
UOI	Each	Case of 150	Case of 12
Medical Device Classification	Biocide	N/A	Class lla
No. wipes per pack	2	25	50
Type of pack	Pack	Flow wrap	Flow Wrap
Weight of wipe GSM	LPC22 (22gsm) - SAF (170gsm) - PET (16.68gsm)	57	50
Size of individual wipe	400mm x 400mm	210mmx 240mm	200mm x 200mm
Active ingredient (disinfectant)	Absorbent pad: peracetic acid Clinell Universal Wipes: benzalkonium chloride, dodecyl dimethyl ammonium chloride, polyhexamethylene biguanide.	Troclosene sodium	Sodium Hypochlorite
Wipe supplied wet or dry	Absorbant pad is dry; two included Clinell Universal Wipes are wet	Dry	Wet
If supplied dry, method of activation e.g. moistened with water	Absorbent pad is activated by fluid when place directly on to body fluid spills	Place dry directly on blood spillage or moisten with water for general environmental disinfection	-
Refillable	✗	✗	✗
Dispensing/packaging enhancements (e.g. plastic cover to flow wrap, bed end clip)	Resealable packaging allows safe disposal of clinical wate	Resealable cover to flow wrap	Plastic Flexible cover to Flow Wrap
List of PPE recommended for use of product	Gloves and PPE as recommended by local policy	Gloves, Apron	Gloves. Goggles if using over head
Training can be tailored to individual trusts/customers	✓	✓	✓
Contact time required to meet BSEN17126 in dirty conditions for C diff spores with liquid extracted from the wipe	2 minutes	2 minutes	5 minutes
Log reduction achieved for above	>4.09	>4.54	4 Log

GAMA Microbiological Standards CS25					
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	BS EN 16615;2015 (Bacterial and yeasticidal activity on non-porous surfaces with mechanical action. (phase 2/Step 2) (Staphylococcus aureus Pseudomonas aeruginosa, Enterococcus hirae, C albicans)	BS EN 14476:2013 +A2:2019 Quantative suspension test for evaluation of virucidal activity in clean conditions and with liquid extracted from the wipe. Enveloped viruses and Norovirus (phase 2 Step 1) Virucidal activity Poliovirus Adenovirus Murine Norovirus Limited spectrum virucidal activity adenovirus murine norovirus Virucidal activity against enveloped viruses vaccinia virus	BSEN 16777:2018 Quantative non porous surface test without mechanical action for evaluation of virucidal activity of chemical disinfectants (Phase 2 /Step 2) Virucidal activity against enveloped viruses vaccinia virus Limited spectrum virucidal activity Adenovirus Murine norovirus Virucidal activity Adenovirus Murine norovirus	EN 13727:2012 + A2 2015 (phase 2/Step 1)(Bactericidal - Staphylococcus aureus Pseudomonas aeruginosa, Enterococcus hirae)	EN 13624:2013 (phase 2/Step 1)(Fungicidal A brasiliensis & C albicans, Yeasticidal - C albicans)
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	E coli k12, Aspergilius brasiliensis	Not required as wipe exibits full virucidal activity	Not tested: BSEN16777 is without mechanical action and is most relevant to sprays and disinfectant liquids.	A baumannii, Burkholderia cepacia, E faecalis, E coli k12, K pneumoniae (CPE), K pneumoniae (ESBL), Enterococcus faecium (VRE).	
Contact Time (state the longest for required organisms or others claimed)	1 minute	1 minute		10 seconds	Yeasticidal activity: C albicans 1 minute Fungicidal activity: A brasiliensis 5 minutes
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	Bacteria minimum 5 Log rdn E hirae - >5.78 Pseudo - >5.13 Staph - >6.08 E coli k12 - >5.07 Yeast/fungi minimum 4 Log rdn C albicans - >4.29 A brasiliensis - >4.48	Viricidal activity minimum 4 Log rdn Poliovirus - 4.00 Adenovirus - 4.13 Norovirus >4.88		Bactericidal activity minimum 5 Log rdn Enterococcus hirae; 10 sec; >5.20 Escherichia coli k12; 10 sec; >5.10 Pseudomonas aeuriginosa; 10 sec; >5.06 Staphylococcus aureus; 10 sec; >5.23 Acenitobacter baumannii; 10 sec; >5.12 Burkholderia cepacia; 10 sec; >5.30 Enterococcus faecalis; 10 sec; >5.30 Klebsiella pneumoniae; 10 sec; (CPE) >5.35 Klebsiella pneumoniae (ESBL); 10 sec; >5.30 Enterococcus faecium (VRE); 10 sec; >5.06	Fungicidal activity minimum 4 Log rdn C albicans; 1 min; >4.09 A brasiliensis; 5 min; >4.02
Tested in Clean or Dirty conditions	Dirty	Dirty		Dirty	Dirty
Tested with liquid extracted from the wipe (Y/N)	Y	Y		Y	Y

GAMA Microbiological Standards CCLX70					
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	BS EN 16615;2015 (Bacterial and yeasticidal activity on non-porous surfaces with mechanical action. (phase 2/Step 2) (Staphylococcus aureus Pseudomonas aeruginosa, Enterococcus hirae, C albicans)	BS EN 14476:2013 +A2:2019 Quantative suspension test for evaluation of virucidal activity in clean conditions and with liquid extracted from the wipe. Enveloped viruses and Norovirus (phase 2 Step 1) Virucidal activity Poliovirus Adenovirus Murine Norovirus Limited spectrum virucidal activity adenovirus murine norovirus Virucidal activity against enveloped viruses vaccinia virus	BSEN 16777:2018 Quantative non porous surface test without mechanical action for evaluation of virucidal activity of chemical disinfectants (Phase 2 /Step 2) Virucidal activity against enveloped viruses vaccinia virus Limited spectrum virucidal activity Adenovirus Murine norovirus Virucidal activity Adenovirus Murine norovirus	EN 13727:2012 + A2 2015 (phase 2/Step 1)(Bactericidal - Staphylococcus aureus Pseudomonas aeruginosa, Enterococcus hirae)	EN 13624:2013 (phase 2/Step 1)(Fungicidal A brasiliensis & C albicans, Yeasticidal - C albicans)
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	E coli k12, Aspergilius brasiliensis	Not required as fully viricidal	Not tested: BSEN16777 is without mechanical action and is most relevant to sprays and disinfectant liquids.	E coli k12	
Contact Time (state the longest for required organisms or others claimed)	1 minute	1 minute		30 seconds	Yeasticidal activity: C albicans 1 minute Fungicidal activity: A brasiliensis 5 minutes
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	Bacteria minimum 5 Log rdn E hirae - >5.78 Pseudo - >5.13 Staph - >6.08 E coli k12 - >5.07 Yeast/fungi minimum 4 Log rdn C albicans - >4.29 A brasiliensis - >4.48	Viricidal activity minimum 4 Log rdn Polio - 4.00 Adeno - 4.13 Noro >4.88		Bactericidal activity minimum 5 Log rdn E hirae - >5.06 E coli k12 - >5.34 Pseudo - >5.05 Staph - >5.13	Fungicidal activity minimum 4 Log rdn C albicans - >4.50 A brasiliensis - >4.14
Tested in Clean or Dirty conditions	Dirty	Dirty		Dirty	Dirty
Tested with liquid extracted from the wipe (Y/N)	Y	Y		Y	Y

GAMA Microbiological Standards CSW1					
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	BS EN 16615;2015 (Bacterial and yeasticidal activity on non-porous surfaces with mechanical action. (phase 2/Step 2) (Staphylococcus aureus Pseudomonas aeruginosa, Enterococcus hirae, C albicans)	BS EN 14476:2013 +A2:2019 Quantative suspension test for evaluation of virucidal activity in **clean conditions and with liquid extracted from the wipe**. Enveloped viruses and Norovirus (phase 2 Step 1) **Virucidal activity** Poliovirus Adenovirus Murine Norovirus **Limited spectrum virucidal activity** adenovirus murine norovirus **Virucidal activity against enveloped viruses** vaccinia virus	BSEN 16777:2018 Quantative non porous surface test without mechanical action for evaluation of virucidal activity of chemical disinfectants (Phase 2 /Step 2) **Virucidal activity against enveloped viruses** vaccinia virus **Limited spectrum virucidal activity** Adenovirus Murine norovirus **Virucidal activity** Adenovirus Murine norovirus	**EN 13727:2012 + A2 2015** (phase 2/Step 1)(Bactericidal - Staphylococcus aureus Pseudomonas aeruginosa, Enterococcus hirae)	**EN 13624:2013** (phase 2/Step 1)(Fungicidal A brasiliensis & C albicans, Yeasticidal - C albicans)
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	E coli k12, Aspergilius brasiliensis	Not required as wipe exibits full virucidal activity	Not tested: BSEN16777 is without mechanical action and is most relevant to sprays and disinfectant liquids.	A baumannii, Burkholderia cepacia, E faecalis, E coli k12, K pneumoniae (CPE), K pneumoniae (ESBL), Enterococcus faecium (VRE).	
Contact Time (state the longest for required organisms or others claimed)	1 minute	1 minute		10 seconds	Yeasticidal activity: C albicans 1 minute Fungicidal activity: A brasiliensis 5 minutes
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	Bacteria minimum 5 Log rdn E hirae - >5.78 Pseudo - >5.13 Staph - >6.08 E coli k12 - >5.07 Yeast/fungi minimum 4 Log rdn C albicans - >4.29 A brasiliensis - >4.48	Viricidal activity minimum 4 Log rdn Poliovirus - 4.00 Adenovirus - 4.13 Norovirus >4.88		Bactericidal activity minimum 5 Log rdn Enterococcus hirae; 10 sec; >5.20 Escherichia coli k12; 10 sec; >5.10 Pseudomonas aeuriginosa; 10 sec; >5.06 Staphylococcus aureus; 10 sec; >5.23 Acenitobacter baumannii; 10 sec; >5.12 Burkholderia cepacia; 10 sec; >5.30 Enterococcus faecalis; 10 sec; >5.30 Klebsiella pneumoniae; 10 sec; (CPE) >5.35 Klebsiella pneumoniae (ESBL); 10 sec; >5.30 Enterococcus faecium (VRE); 10 sec; >5.06	Fungicidal activity minimum 4 Log rdn C albicans; 1 min; >4.09 A brasiliensis; 5 min; >4.02
Tested in Clean or Dirty conditions	Dirty	Dirty		Dirty	Dirty
Tested with liquid extracted from the wipe (Y/N)	Y	Y		Y	Y

PAL International Microbiological Standards					
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	Record names of additional BSEN tests undertaken and include the microorganisms tested	Record names of additional BSEN tests undertaken and include the microorganisms tested	Record names of additional BSEN tests undertaken and include the microorganisms tested	Record names of additional BSEN tests undertaken and include the microorganisms tested	Record names of additional BSEN tests undertaken and include the microorganisms tested
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	EN14476 against Adenovirus, Norovirus, Polio Virus.	EN13624 against Aspergillis brasiliensis and Candida albicans	EN16615 against S. aureus, P.aeruginosa, Enterococcus Hirae	EN14348 against Mycobacterium avium and Mycobacterium Terrae	EN13704 against C.difficile, Bacillus cereus, Bacillus subtilis and Clostridium sporogenes
Contact Time (state the longest for required organisms or others claimed)	1 minute	2 minutes	1 minute	1 minute	2 miuntes
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	5 Log	5 Log	5 Log	5 Log	5 Log
Tested in Clean or Dirty conditions	Clean	Clean	Clean and dirty	Clean	Clean
Tested with liquid extracted from the wipe (Y/N)	Y	Y	Y	Y	Y

Guest International Microbiological Standards					
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	BS EN 17126:2018 Bacillus cereus and Bacillus subtilis	BS EN 16615:2015 Pseudomonas aeruginosa, Staphylococcus aureus, Enterococcus hirae and Candida albicans	BS EN 13704:2018 Bacillus subtilis	BS EN 17126:2018	BS EN 14476:2013 + A1:2015 Poliovirus, Adenovirs, Murine Norovirus
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	Clostridioides difficile		Clostridioides difficile	Clostridioides difficile	
Contact Time (state the longest for required organisms or others claimed)	Bacillus subtilis - 10 mins Bacillus cereus - 2 mins Clostridioides difficile - 2 mins	5 minutes	5 minutes	2 minutes	5 minutes
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	Bacillus subtitlis - 4.13 Bacillus subtilis - >4.20 Clostridioides difficile - >4.54	bacteria - >5.0 , yeast >4.1	>3.09	>4.14	>4.0
Tested in Clean or Dirty conditions	Dirty	Dirty	Dirty	Clean	Dirty
Tested with liquid extracted from the wipe (Y/N)	Y	Y	Y	Y	Y

Biotechnics Microbiological Standards (Part 1)					
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	EN 17126:2018	EN 13704:2002	EN 13704:2002	EN 14347:2005	EN 1275:2005
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	*Bacillus cereus; Bacillus subtilis; Clostridium difficile*	*Clostridium difficile*	*Clostridium difficile*	*Bacillus cereus; Bacillus subtilis*	*Aspergillus niger; Candida albicans*
Contact Time (state the longest for required organisms or others claimed)	5 minutes	2 minutes	5 minutes	1 minute	5 minutes
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	>4.0	>4.4	>6.7	>4.4	>4.8
Tested in Clean or Dirty conditions	Dirty	Dirty	Dirty	N/A	N/A
Tested with liquid extracted from the wipe (Y/N)	Y	Y	N	N	N

Biotechnics Microbiological Standards (Part 2)						
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	EN 1650:1998	EN 13697:2001	EN 13624:2003	EN 14562:2006	EN 1040:2005	EN 1276:1997/2009
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	*Aspergillus niger; Candida albicans*	*Aspergillus niger; Candida albicans*	*Aspergillus niger; Candida albicans*	*Aspergillus niger; Candida albicans*	*Pseudomonas aeruginosa; Staphylococcus aureus*	*Enterococcus hirae; Escherichia coli;* ESBL (Extended Spectrum Beta-Lactamase*) E.coli; Klebsiella pneumoniae; Methicillin-resistant Staphylococcus aureus* (MRSA)*; Pseudomonas aeruginosa; Salmonella enteritidis; Salmonella typhimurium;* Vancomycin-resistant *Enterococcus faecalis* (VRE)
Contact Time (state the longest for required organisms or others claimed)	5 minutes	15 minutes	5 minutes	15 minutes	1 minute	1 minute
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	>4.5	>4.8	>5.1	>4.2	>6.3	>6.1
Tested in Clean or Dirty conditions	Clean	Dirty	Dirty	Clean	N/A	Dirty
Tested with liquid extracted from the wipe (Y/N)	N	N	N	N	N	N

Biotechnics Microbiological Standards (Part 3)						
Tests should be undertaken in dirty conditions and with liquid extracted from the wipe where applicable	EN 14561:2006	EN 13697:2001	EN 13727:2003	EN 14348:2005	EN 14563:2008	EN 14476:2013
Add any organisms tested as an addition to the obligatory test organisms to meet the standards above	*Escherichia coli; Enterococcus hirae; Pseudomonas aeruginosa; Staphylococcus aureus*	*Escherichia coli; Enterococcus hirae; Pseudomonas aeruginosa; Staphylococcus aureus*	*Enterococcus hirae; Pseudomonas aeruginosa; Staphylococcus aureus*	*Mycobacterium avium; Mycobacterium terrae*	*Mycobacterium avium; Mycobacterium terrae*	H1N1 Influenze A Virus
Contact Time (state the longest for required organisms or others claimed)	5 minutes	5 minutes	1 minute	5 minutes	5 minutes	1 minute
Log Reduction at above contact time (State the minimum for required organisms or others claimed)	>6.1	>4.3	>6.2	>4.9	>4.1	>4.1
Tested in Clean or Dirty conditions	Dirty	Dirty	Dirty	Clean	Clean	Clean
Tested with liquid extracted from the wipe (Y/N)	N	N	N	N	N	N

If you have any questions, would like further information, or have feedback to share, please contact:

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