

**EFFICACY DATA for
FRESH START[®] DISINFECTANT WIPES
(EPA Reg. No. 1839-190-63584)**

BACTERICIDAL DATA:

Test Method: AOAC Germicidal Spray Products as Disinfectants modified for Pre-saturated or Impregnated Disinfectant Towelettes

Test Conditions: Ready-To-Use (RTU), 5 minute contact time, 5% organic soil load, room temperature, glass slide carrier substrates

Results:

<u>Test Organism</u>	<u>Sample</u>	<u>No. of Carriers</u>	
		<u>Exposed</u>	<u>Positive</u>
<i>Pseudomonas aeruginosa</i> (ATCC 15442)	A	60	0
	B	60	0
	C	60	1
<i>Salmonella enterica</i> (ATCC 10708)	A	60	0
	B	60	0
	C	60	0
<i>Staphylococcus aureus</i> (ATCC 6538)	A	60	0
	B	60	0
	C	60	1
Community Associated Methicillin resistant <i>Staphylococcus aureus</i> (CA-MRSA) Genotype USA300	A	10	0
	B	10	0
Community Associated Methicillin resistant <i>Staphylococcus aureus</i> (CA-MRSA) Genotype USA400	A	10	0
	B	10	0
<i>Escherichia coli</i> O157:H7 (ATCC 43895)	A	10	0
	B	10	0
	C	10	0
Methicillin resistant <i>Staphylococcus aureus</i> (MRSA) (ATCC 33591)	A	10	0
	B	10	0
<i>Streptococcus pyogenes</i> (ATCC 19615)	A	10	0
	B	10	0
	C	10	0
Vancomycin intermediate resistant <i>Staphylococcus aureus</i> (VISA) (ATCC 700699)	A	10	0
	B	10	0
Vancomycin resistant <i>Enterococcus faecium</i> (VRE) (ATCC 51559)	A	10	0
	B	10	0

Conclusion: Under the conditions of these investigations, FRESH START[®] Disinfectant Wipe demonstrated **disinfectant** activity against *Pseudomonas aeruginosa*, *Salmonella enterica*, *Staphylococcus aureus*, Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) Genotype USA300, Community Associated Methicillin resistant *Staphylococcus aureus* (CA-MRSA) Genotype USA400, *Escherichia coli* O157:H7, Methicillin resistant *Staphylococcus aureus* (MRSA), *Streptococcus pyogenes*, Vancomycin intermediate resistant *Staphylococcus aureus* (VISA) and Vancomycin resistant *Enterococcus faecium* (VRE) according to criteria established by the U. S. Environmental Protection Agency for registration and labeling of a limited disinfectant product as a bactericide.

VIRUCIDAL DATA:

Test Method: WUUGR0Rgukelk g'Cuuguo gpv'I wlf grlpgu.'Uwdf kxkukp'I < Rtqf wev'Rgthqto cpeg."3; : 4.'Ugevkqp"; 3/52"xf +*7+ "öF kulphgevcpw"ö" Ghlece{"ci clpuv'Xkt wuguö.'r r 094/980

Test Conditions: Tgcf {/Vq/Wug"*TVW+:"7'o kpwg'eqpcev"ko g.'7' "qti cple'uqkri'ncf." tqo "ygo r gtcwtg.'i r'uu'r gwk'f kuj "uwdutcvgu"

Results:

<u>Vguv'Qti cpluo "</u>	<u>Uco r ng"</u>	<u>Vkgt 'Tgf wevkp"</u>
		<u>*chgt '7'o kp0eqpcev+ "</u>
Kphwgp c'C4llcr cp l527l79"*J 4P 4+"	C"	60 5"nqi 32"
	D"	60 5"nqi 32"
	E"	60 5"nqi 32"
J gtr gu'Ulo r ngz "Xktwu"3"*J UX/3+" *C'VEE "XT/482+"	C"	60 ; 'nqi 32"
	D"	60 ; 'nqi 32"
	E"	60 ; 'nqi 32"
J gtr gu'Ulo r ngz "Xktwu"4"*J UX/4+" *C'VEE "XT/956+"	C"	608'nqi 32"
	D"	608'nqi 32"
	E"	608'nqi 32"
J wo cp"ko o wpqf ghekepe{ "Xktwu"V{r g"3" *J KX/3+"	C"	604'nqi 32"
	D"	604'nqi 32"

Conclusion: Wpfgt "yj g'eqpf kkpqu"qh'vj ku'lp'xguki cvkqp.'HT'GUJ "UVCTV" 'F kulphgevcpv'Y kr g" f go qpustcvgf "virucidal"cev'xkx{"ci clpuv'Kphwgp| c'C4llcr cp.'J gtr gu'Ulo r ngz "Xktwu"3." J gtr gu'Ulo r ngz "Xktwu"4"cpf "J wo cp"ko o wpqf ghekepe{ "Xktwu"V{r g"3"*J KX/3+" ceeqtf kpi "q"etkgtk"gu'ncdrikuj gf "d{ "yj g'WUUGpxktqpo gpvcn'Rtqgevkqp"Ci gpe{ 'hqt" tgi kntcvkqp"cpf "rdgrkpi "qh'c'f kulphgevcpv'r tqf wev'cu'c'xk vekf g0"

FUNGICIDAL DATA:

Test Method: CQCE"Hwpi lekf cni'cev'xkx{"qh'F kulphgevcpw"

Test Conditions: Tgcf {/Vq/Wug"*TVW+:"5'o kpwg'eqpcev"ko g.'7' "qti cple'uqkri'ncf." tqo "ygo r gtcwtg.'i r'uu'r'kf g'uwdutcvgu"

Results:

<u>Vguv'Qti cpluo "</u>	<u>Uco r ng"</u>	<u>P q0qh'Ectt'kgtu"</u>	
		<u>Gzr qugf "</u>	<u>Rqukxg"</u>
<i>Trichophyton mentagrophytes</i> *C'VEE"; 755+"	C"	32"	2"
	D"	32"	2"
	E"	32"	2"

Conclusions: Wpfgt "yj g'eqpf kkpqu"qh'vj ku'lp'xguki cvkqp.'HT'GUJ "UVCTV" 'F kulphgevcpv'Y kr g" f go qpustcvgf "fungicidal"cev'xkx{"ci clpuv'*Trichophyton mentagrophytes*"ceeqtf kpi "q" etkgtk"gu'ncdrikuj gf "d{ "yj g'WUUGpxktqpo gpvcn'Rtqgevkqp"Ci gpe{ 'hqt"tgi kntcvkqp"cpf "rdgrkpi "qh'c'f kulphgevcpv'r tqf wev'cu'c'hwpi lekf g0"

NON-FOOD CONTACT SANITIZATION DATA:

Test Method: Ucpkkt gt "Vguv'ht" kpcpk cvg P qp/Hqf "Eqpcev'Uwtæegu"
 *GRC'F KUIVU/32.'29'Lcp": 4+"

Test Conditions: Tgcf {/Vq/Wig"*TVW+: '7' "qti cpk'uqk'htcf.'tqo 'vgo r gtcwtg"

Results:

<u>Vguv'Qti cpkko "</u>	<u>Uco r ng"</u>	<u>Eqpcev'Vko g"</u>	<u>' MmÄ"</u>
<i>Escherichia coli</i> "Q379-9"	C"	37"ugeqpf u"	@ ; 0 "
*CVEE"65: ; 7+"	D"		@ ; 0 "
	E"		@ ; 0 "
<i>Klebsiella pneumoniae</i>	C"	37"ugeqpf u"	@ ; 0 "
*CVEE"6574+"	D"		@ ; 0 "
	E"		@ ; 0 "
<i>Listeria monocytogenes</i>	C"	37"ugeqpf u"	@ ; 0 "
*CVEE"57374+"	D"		@ ; 0 "
	E"		@ ; 0 "
<i>Staphylococcus aureus</i>	C"	37"ugeqpf u"	@ ; 0 "
*CVEE"875: +"	D"		@ ; 0 "
	E"		@ ; 0 "
<i>Campylobacter jejuni</i>	C"	82"ugeqpf u"	@ ; 0 "
*CVEE"4; 64: +"	D"		@ ; 0 "
	E"		@ ; 0 "

Conclusion: Wpf gt "yj g'eqpf kkp'u'qh'yj gug'kpxguk ckkpu."HTGU "UVCTV" F kkp'gvecpv"
 Y k g'f go qputcvf "sanitizing"cevkkk'ci ckpu'*Escherichia coli*"Q379-9."*Klebsiella pneumoniae*,
Listeria monocytogenes, *Staphylococcus aureus* cpf "*Campylobacter jejuni* ceeqtf kpi "v'etkgtk"guvdkuj gf "d{ 'yj g'WUUGpxkqpo gpvriRtqvevqp"
 Ci gpe{ 'ht'tgi kntcvkp"cpf "rdgkpi "qh'c'f kkp'gvecpv'r tqf wev'cu'c'ucpkkt gt0