

A summary of the Viral efficacy of Antec Virkon S

Group	Genera	Organism	Ref. N°	Strain	Country	Comments	Dilution	Enveloped	DNA /RNA	disease	animal	Group Comments
Adenoviridae	Aviadenovirus	Adenovirus	89		France	AFNOR T 72-180	1:100	no	dsDNA			Resistant to ether, bile, detergents, try
	Aviadenovirus	Adenovirus ana1	12	Strain EDS 127	England		1:100	no	dsDNA	egg drop syndrome	poultry	infectious for up to 1 month
	Aviadenovirus	Adenovirus ana2	71	ATCC VR-921 (Duck)	USA	EPA DIS/TSS-7	1:100	no	dsDNA	egg drop syndrome	poultry	at 37oC, or 1 year at 4oC
	Mastadenovirus	ICH virus	49	Purdue strain	USA		1:100	no	dsDNA	ICH	dog	
	Mastadenovirus	Bovine adenovirus type 4	143	ATCC VR-640	USA	USA EPA Approval	1:100	no	dsDNA		cattle	
Mastadenovirus	ICH virus	171	ATCC VR800	USA	USA EPA Approval	1:100	no	dsDNA	ICH	dog		
Arenaviridae	Arenavirus	Lassa fever virus	19		England		1:200	yes	ssRNA	lassa fever	man	
Astroviridae	Astrovirus	PEMS associated astrovirus	184	not specified	USA	University of Georgia own method	1:67	no	ssRNA	PEMS	turkey	
Baculoviridae	Baculovirus	White spotted red baculovirus	181	White spotted red virus	Thailand		9ppm	yes				
Birnaviridae		IBD virus	44	Strain DV86	England		1:250	yes	dsRNA	Gumboro	poultry	Resistant to ether, phenol and quats. s
		IBD virus	111		USA	Inanimate surface assay	1:100	yes	dsRNA	Gumboro	poultry	persistent in poultry houses.
		IBD virus	154		USA	5% blood serum	1:100	yes	dsRNA	Gumboro		
		IBD virus	177		Canada	contaminated wood surface	1:100	yes	dsRNA	Gumboro		
		IBD virus	193		Japan	5% FCS	1:1000	yes				
Bunyaviridae	Phlebovirus	Rift valley fever virus	18		England		1:400	yes	ssRNA	rift valley fever	cattle, man	Sensitive to lipid solvents and detergents.
Caliciviridae		Feline calici virus	138	ATCC VR782	USA	USA EPA Approval	1:100	no	ssRNA	resp. disease complex	cat	Stable at pH5, but unstable at pH3.
Circoviridae	Circovirus	Chicken anaemia virus	134	Cux 1	England	MAFF approved test	1:250	no	ssDNA	chicken anaemia	poultry	
	Circovirus	Porcine circovirus Type 2	185	ISU 31	USA	Iowa State University own method	1:100	no	ssDNA	post weaning multi systemic wasting syndrome		
	Circovirus	Porcine circovirus Type 2	200		USA	USA EPA Approval	1:200			as above	pig	
Coronaviridae	Coronavirus	Infectious Bronchitis Virus	131	AOAC standard	USA	Virucidal Spray Test	1:100	yes	ssRNA	infectious bronchitis	poultry	Last 1-2 days at room temp
	Coronavirus	TGE Virus	8	Strain FS216/63	England		1:450	yes	ssRNA	trans. gastro-enteritis	pig	but considerably longer at
	Coronavirus	TGE Virus	71	ATCC VR-763	USA	USA EPA Approval	1:100	yes	ssRNA	trans. gastro-enteritis	pig	lower temperatures.
	Coronavirus	Feline infectious Peritonitis	172	ATCC VR2202	USA	USA EPA Approval	1:100	yes	ssRNA	Infectious Peritonitis	cat	
	Coronavirus	Canine Coronavirus	175	ATCC VR-809	USA	USA EPA Approval	1:100	yes	ssRNA	Coronaviral enteritis	dog	
Flaviviridae		Hepatitis C virus	203	(BVDV) (MDBK) ATCC C	USA	USA EPA Approval	1:100	no		hepatitis	man	Final report
		Hepatitis C virus	204	(BVDV) (MDBK) ATCC C	USA	USA EPA Approval	1:100	no		hepatitis	man	confirmatory
Hepadnaviridae	Hepadnavirus	Hepatitis B virus	206	(DHBV) Hepadna Virus t	USA	USA EPA Approval	1:100	no		hepatitis	man	confirmatory
	Hepadnavirus	Hepatitis B virus	207	(DHBV) Hepadna Virus t	USA	USA EPA Approval	1:100	no		hepatitis	man	Final report
Herpesviridae	alpha	Equid herpes virus 3	112	Type 3 (alpha)	USA	Inanimate Surface Assay	1:100	yes	dsDNA	coital exanthema	horse	Herpesviruses are sensitive to
	alpha	Equid herpes virus 1	123	Type 1 (alpha)	USA		1:100	yes	dsDNA	viral pneumonitis	horse	ether and relatively labile to heat,
	alpha	Bovid herpesvirus 1	9	Oxford strain	England		1:600	yes	dsDNA	bovine rhinotracheitis	cattle	dessication and acid pH.
	alpha	Bovid herpesvirus 2	71	ATCC VR-188	USA	EPA DIS/TSS-7	1:100	yes	dsDNA	mamillitis	cattle	
	alpha	Suid herpes virus 1	34		N Zealand		1:200	yes	dsDNA	aujeskys disease	pig	
	alpha	Suid herpes virus 2	71	ATCC VR-135	USA	EPA DIS/TSS-8	1:100	yes	dsDNA	aujeskys disease	pig	
	alpha	Felid herpes virus 1	137	ATCC VR636	USA	USA EPA Approval	1:100	yes	dsDNA	feline rhinotracheitis	cat	
	gamma	Gallid herpes virus 2	71	ATCC VR-584 C (TRT)	USA	EPA DIS/TSS-7	1:100	yes	dsDNA	avirulent	turkey	
	gamma	Gallid herpes virus 1	69		England	MAFF method, 5% yeast	1:200	yes	dsDNA	fowl paralysis (Mareks)	poultry	
	gamma	Gallid herpes virus 3	15	Strain CVL14/1CEF(4)	England		1:200	yes	dsDNA	turkey rhinotracheitis	turkey	
	gamma	Gallid herpes virus 4	155		USA		1:100	yes	dsDNA	ILT	fowl	
Iridoviridae	species specific	ASF virus	183	ASF virus isolate LIL	England	UK DEFRA method	1:800	yes	ssDNA	African swine fever	pig	
Orthomyxoviridae	type A	Avian influenza virus	11		England		1:320	yes	ssRNA	fowl plague	poultry	
	type A	Avian influenza virus	1		England	UK MAFF Approval	1:280	yes	ssRNA	fowl plague	poultry	
	type A	Avian influenza virus	156		USA	5% blood serum	1:100	yes	ssRNA	fowl plague	poultry	

A summary of the Viral efficacy of Antec Virkon S

Group	Genera	Organism	Ref. Nc	Strain	Country	Comments	Dilution	Enveloped	DNA /RNA	disease	animal	Group Comments
	type A	Equine influenza virus	128	ATCC VR-2070	USA	EPA DIS/TSS-7	1:100	yes	ssRNA	equine influenza	horse	
	type A	Avian influenza virus	218		China	H5N1 strain	1:800	yes	ssRNA	fowl plague	poultry	
	type A	Avian influenza virus	218		China	H9N2 strain	1:1000	yes	ssRNA	fowl plague	poultry	
	Isavirus	Infectious salmon anemiavirus	187		Canada		1:200			isav	salmon	
	Isavirus	Infectious salmon anemiavirus	188		Canada		1:100			isav	salmon	
Papovaviridae	Papilloma viruses	Bovine polyoma virus	2		England		1:100	no	dsDNA	papillomatosis	cattle	These are resistant viruses, comparable to parvoviridae.
	Papilloma viruses	SV40 Virus (simian)	110	ATCC VR-305	USA	Inanimate surface assay	1:100	no	dsDNA	tumours	monkey	
Paramyxoviridae	Avian paramyxovirus	Avian paramyxovirus 1	1		England	UK MAFF Approval	1:280	yes	ssRNA	Newcastle disease	poultry	These viruses are relatively heat labile
	Avian paramyxovirus	Avian paramyxovirus 1	153		USA	5% horse serum	1:100	yes	ssRNA	Newcastle disease	poultry	
	Avian paramyxovirus	Avian paramyxovirus 1	177		Canada	contaminated wood	1:100	yes	ssRNA	Newcastle disease	poultry	
		Parainfluenza virus	71	ATCC VR-281	USA	EPA DIS/TSS-7	1:100	yes	ssRNA	no serotype	poultry	
	Paramyxovirus	parainfluenza 5	173	ATCC VR666	USA	USA EPA Approval	1:100	yes	ssRNA	kennel cough	dog	
		Newcastle Disease Virus	193		Japan	5% FCS	1:500				poultry	
	Paramyxovirus	Newcastle Disease Virus	218		China	F48E9 strain	1:1500				poultry	
Parvoviridae		Canine parvovirus	34		N Zealand		1:50	no	ssDNA	parvoviral enteritis	dog	These are resistant to heat, lipid solvents and are stable between pH 3-9 and may remain viable in formites for several years.
		Canine parvovirus	49	Cornell strain	USA		1:100	no	ssDNA	parvoviral enteritis	dog	
		Parvovirus	71	ATCC VR-742	USA	EPA DIS/TSS-7	1:100	no	ssDNA	no serotype		
		Feline parvovirus	136	ATCC VR648	USA	EPA DIS/TSS-8	1:100	no	ssDNA	feline panleucopenia	cat	
		Canine parvovirus	174	ATCC VR2017	USA	USA EPA Approval	1:100	no	ssDNA	parvoviral enteritis	dog	
		Aleutian Disease Virus	178		Holland	Immune complex formation	1:50	no	ssDNA	Aleutian disease	mink	
		Mouse parvovirus	199	ATCC VR-1346	USA	Strain prototype	1:100				mice	
Picornaviridae	Apthovirus	Foot and mouth disease virus	1		England		1:1300	no	ssRNA	foot & mouth disease	all - (see*)	Resistant to lipid solvents, detergents and survive well in the external environment. They are relatively resistant to temperature change, all particularly in dry conditions.
	Enterovirus	Swine enterovirus	1		England		1:200	no	ssRNA	swine vesicular disease	pig	
	Enterovirus	Porcine enterovirus 1	147	AFNOR T 72-171	France		1:100	no	ssRNA	Teschen Talfan disease	pig	
	Enterovirus	Polio virus	89	Sabin strain	France	AFNOR T 72 - 180	1:100	no	ssRNA	poliomyelitis	man	
	Enterovirus	Foot and mouth disease virus	193		Japan		1:2000					
	Enterovirus	ECBO virus	223	ATCC VR-248	Germany	EN14675	1:100 / 1:33					
		Hepatitis A virus	205	(HAV) FRhK-4 cells	USA	USA EPA Approval	1:100	no		hepatitis	man	
Poxviridae	Parapox virus	Bovine pseudocowpox virus	3		England		1:300	yes	dsDNA	pseudocowpox	cattle	Para- capri- and lepropox viruses are resistant to temperature change, all particularly in dry conditions.
	Avipox	Avian Poxvirus	177		Canada	Contaminated wood	1:100	yes	dsDNA			
Reoviridae	Reovirus	Avian reovirus	20		England		1:200	no	dsDNA	tenosynovitis	poultry	Reoviruses persist in the environment unless it is disinfected.
	Reovirus	Avian reovirus	177		Canada	contaminated wood surface	1:100	no	dsDNA	tenosynovitis	poultry	
	Rotavirus	Rotavirus	87	5A-II	Russia	Monkey strain	1:250	no	dsRNA	rotaviral enteritis	cattle	
	Rotavirus	Rotavirus	87	Human strain	Russia		1:200	no	dsRNA	rotaviral enteritis	pig	
	Rotavirus	Calf rotavirus	71	ATCC VR 452	USA	EPA DIS/TSS-7	1:100	no	dsRNA	rotaviral enteritis	cattle	
Retroviridae	Lentivirus	HIV	127	Type 1	USA	Inanimate Surface Assay	1:100	yes	ssRNA	AIDS	man	
	Lentivirus	Maedi and visna virus	6	K184 strain	England		1:1400	yes	ssRNA	wasting / dyspnoea	sheep	
	Oncovirus	Avian leucosis virus	176	Strain J	England	UK Yeast Method	1:200	yes	ssRNA	Myeloid leucosis	poultry	
Rhabdoviridae	Lyssavirus	Rabies virus	16	CBS Strain	England		1:600	yes	ssRNA	viral encephalomyelitis	dog/man	Viruses are sensitive to light, but survive well in dark places.
		Snakehead rhabdovirus	80	Strain 19	Scotland		1:500	yes	ssRNA		fish	
		Snakehead rhabdovirus	80	Ban Pako strain	Scotland		1:500	yes	ssRNA		fish	
Togaviridae	Arterivirus	Lelystad virus	81		England	UK Yeast Method	1:700	yes	ssRNA	porcine blue ear / PRRS	pig	Alpha- and flaviviruses are unstable at
		Porcine Respiratory & Reproductive	208	PRRS	USA	USA EPA Approval	1:250				pig	
		Porcine Respiratory & Reproductive	208	PRRS	USA	USA EPA Approval	1:500				pig	

A summary of the Viral efficacy of Antec Virkon S

Group	Genera	Organism	Ref. N°	Strain	Country	Comments	Dilution	Enveloped	DNA /RNA	disease	animal	Group Comments
Togaviridae	Pestivirus	Bovine viral diarrhoea virus	71	ATCC VR 534	USA	EPA DIS/TSS-7	1:100	yes	ssRNA	viral diahorrea	cattle	
	Pestivirus	Equine arteritis virus	10	Bucyrus strain	England		1:350	yes	ssRNA	viral arteritis	horse	
	Pestivirus	Equine arteritis virus	71	ATCC VR-796	USA	DIS/TSS-7	1:100	yes	ssRNA	viral arteritis	horse	
	Pestivirus	Classical Swine Fever Virus	170		England	UK yeast method	1:150	yes	ssRNA	classical swine fever	pig	
		Bovine viral diarrhoea virus	193		Japan	5% FCS	1:500					
Unclassified		Infectious pancreatic necrosis	66		Norway	Clean & Dirty Conditions	1:100	yes	dsRNA	IPN	fish	
		Infectious pancreatic necrosis	217	prEN14675	UK		1:200			IPN	fish	30mins 4 C

A summary of the Bacterial Efficacy of Antec Virkon S

Organism	Ref. No	Dilution	Strain	Country	Comments	Gram	O ₂ Status	disease	animal
<i>Actinobacillus pleuropneumoniae</i>	29	1:200		England		G-	fac an	pneumonia	pig
<i>Actinobacillus pleuropneumoniae</i>	144	1:100	ATCC 43336	USA	AOAC Use-Dilution Test				
<i>Aeromonas hydrophila</i>	41	1:200		Finland	Modified Kelsey-Sykes	G-	fac an	gastro-enteritis	man
<i>Aeromonas salmonicida</i>	41	1:200	Subsp achromogenes	Finland	Modified Kelsey-Sykes	G-	fac an		
<i>Aeromonas salmonicida</i>	41	1:200	Subsp salmonicida	Finland	Modified Kelsey-Sykes	G-	fac an		
<i>Bacillus cereus</i>	122	1:100	ATCC 14579	USA	AOAC Use-Dilution Test	G+	aer		
<i>Bacillus cereus</i>	157	1:100	ATCC 14579	USA	AOAC Use-Dilution Test				
<i>Bacillus cereus</i> spores	30	1:100	Strain ATCC 9634	Belgium	Dutch 5-5-5 Protocol	G+	aer		
<i>Bacillus cereus</i> spores	98	1:100	CIP 7803	Portugal	AFNOR NFT72-231 (1988)	G+	aer		
<i>Bacillus subtilis</i>	130	1:100	ATCC 19659	USA	AOAC Hard Water Test	G+	aer		
<i>Bacillus subtilis</i>	130	1:100	NCIMB 8058	USA	AOAC Hard Water Test	G+	aer		
<i>Bordetella avium</i>	70	1:100		USA	AOAC, EPA DIS/TIS 1 & 2	G-	aer	rhinotracheitis	turkey
<i>Bordetella bronchiseptica</i>	29	1:150		England		G-	aer	kennel cough	dog
<i>Bordetella bronchiseptica</i>	70	1:100		USA	AOAC, EPA DIS/TIS 1 & 2	G-	aer	kennel cough	dog
<i>Brucella abortus</i>	126	1:100	ATCC 4315	USA	AOAC Use-Dilution Test	G-	aer	brucellosis	sheep
<i>Campylobacter jejuni</i>	145	1:100	ATCC 29428	USA	AOAC Use-Dilution Test				
<i>Campylobacter pyloridis</i> *	151	1:100	GBL775	USA	AOAC protocol				
* also known as <i>Helicobacter pylori</i>									
<i>Chlamydia psittaci</i>	133	1:100	VR-125 (Strain 6BC)	USA	AOAC Use Dilution Test	G-	N/A	Chlamydial abortion	sheep
<i>Clostridium perfringens</i>	129	1:100		USA	AOAC Use Dilution Test	G+	an	enterotoxemia	sheep
<i>Clostridium perfringens</i>	169	1:100	ATCC13124	USA	AOAC Use Dilution Test				
<i>Clostridium sporogenes</i>	30	1:100	Spores, strain 19404	Belgium	Dutch 5-5-5 Protocol	G+	an		
<i>Dermatophilus congolensis</i>	132	1:100	ATCC 14637	USA	AOAC Use Dilution Test	G+	fac an	dermatophilus	sheep
<i>Enterococcus faecium</i>	63	1:100	ATCC 10541	England	European Suspension test	England	England		
<i>Enterococcus faecium</i>	158	1:100	ATCC 10541	England	European Suspension test	England	England		
<i>Enterococcus hirae</i>	148	1:200	CIP 58.55	France	AFNOR T 72-171				

A summary of the Bacterial Efficacy of Antec Virkon S

Organism	Ref. No	Dilution	Strain	Country	Comments	Gram	O ₂ Status	disease	animal
Enterococcus hirae	149	1:100	CIP 58.55	France	AFNOR T 72-190				
Enterococcus hirae	220	1:100	ATCC 10541	Italy		G+			
Erysipelothrix rhusiopathiae	70	1:100		USA	AOAC, EPA, DIS/TIS 1&2	G+	aer / mic	erysipelas	turkey
Escherichia coli	45	1:100	Strain NCTC 8196	Sweden	Modified Kelsey-Sykes	G-	fac an		
Escherichia coli	78	1:200	Strain ATCC 11229	England	AOAC Detergent Sanitiser test	G-	fac an		
Escherichia coli	109	1:100		USA	AOAC use-dilution test	G-	fac an		
Escherichia coli	117	1:100	ATCC 11229	USA	AOAC use-dilution test	G-	fac an		
Escherichia coli	118	1:200	ATCC 11229	USA	AOAC use-dilution test	G-	fac an		
Escherichia coli	130	1:100	ATCC 11229	USA	AOAC Hard Water Test	G-	fac an		
Escherichia coli	130	1:100	NCIMB 9517	USA	AOAC Hard Water Test	G-	fac an		
Escherichia coli	148	1:200	CIP 54.127	France	AFNOR T 72-171	G-	fac an		
Escherichia coli	149	1:100	CIP 54.127	France	AFNOR T 72-190	G-	fac an		
Escherichia coli	151	1:100	GBL 642	USA	AOAC protocol	G-	fac an		
Escherichia coli	164	1:100	Strain O157	England	European Suspension Test	G-	fac an		
Escherichia coli	177	1:100		Canada	Contaminated wood surface	G-	fac an		
Escherichia coli	194	1:100	EcFH/64/a	UK	EN 1276	G-			
Escherichia coli	194	1:100	strain 0157	UK	EN 1276	G-			
Escherichia coli	196	1:200	strain CIP 54.127	France	EN 1276	G-			
Escherichia coli	198	1:1000	Bacteriophage T2 with E c	France	AFNOR T 72-181 (1989)				
Escherichia coli	198	1:500	Bacteriophage MS 2 with	France	AFNOR T 72-181 (1989)				
Escherichia coli	198	1:2000	Bacteriophage OX 174 wit	France	AFNOR T 72-181 (1989)				
Escherichia coli	202	1:100	ATCC 11229	USA	USA EPA Approval				
E hirae	194	1:100	Eh/FH64/a	UK	EN 1276				
E hirae	196	1:200	CIP 58.55	France	EN 1276				
Taylorella (Haemophilus) equigenitalis	68	1:400	CEM 1574/87	Sweden	Streptomycin resistant, clean	G-	fac an	contagious metritis	horse
Taylorella (Haemophilus) equigenitalis	68	1:400	CEM 769/87	Sweden	Streptomycin resistant, clean	G-	fac an	contagious metritis	horse
Taylorella (Haemophilus) equigenitalis	68	1:400	CEM 3336/88	Sweden	Streptomycin resistant, clean	G-	fac an	contagious metritis	horse
Taylorella (Haemophilus) equigenitalis	68	1:100	CEM 486/91	Sweden	Streptomycin resistant, clean	G-	fac an	contagious metritis	horse
Taylorella (Haemophilus) equigenitalis	70	1:100	taylorella CEM	USA	AOAC EPA DIS/TIS 1&2	G-	fac an	contagious metritis	horse
Haemophilus somnus	70	1:100		USA	AOAC EPA DIS/TIS 1&2	G-	fac an	septicemia	cattle

A summary of the Bacterial Efficacy of Antec Virkon S

Organism	Ref. No	Dilution	Strain	Country	Comments	Gram	O ₂ Status	disease	animal
Klebsiella pneumoniae	151	1:100	GBL 132	USA	AOAC protocol				
Klebsiella pneumoniae	202	1:100	ATCC 4352	USA	USA EPA Approval				
Lawsonia intracellularis	163	1:100	2 strains	Scotland	Suspension tests				
Legionella pneumophila	32	1:5000	NCTC 11192	England	BACS protocol / 3hrs contact	G-	aer	pneumonia	man
Listeria monocytogenes	70	1:100		USA	AOAC EPA DIS/TIS 1&2	G+	fac an	listeriosis	sheep
Listeria monocytogenes	120	1:100	lux AD recombinant	England	Colony growth method	G+	fac an	septicaemia	poultry
Listeria monocytogenes	120	1:1400	lux AD recombinant	England	Bioluminescence method	G+	fac an		
Listeria monocytogenes	190	1:100	ATCC 19117	USA	AOAC Use Dilution method	G+		septicaemia	man
Listeria monocytogenes	194	1:100	LmFH66/a	UK	EN 1276	G+			
Moraxella bovis	70	1:100		USA	AOAC EPA DIS/TIS 1&2	G-	aer	ophthalmia	cattle
Mycoplasma gallisepticum	4	1:50	Strain 56	England		G-	microaero	mycoplasmosis	poultry
Mycoplasma gallisepticum	49	1:100		USA		G-	microaero	mycoplasmosis	poultry
Mycoplasma hyorhinis	29	1:800		England		G-	microaero	polyarthritis	pig
Mycoplasma mycoides	186	1:200	3 strains B102 strain Afade and NCTC 1		AOAC method			Arthritis Pleuropneumonia a	cattle goats
Mycoplasma mycoides	189	1:200	3 strains (Portugal B103) Africa (strain A		Hard surface carrier test method and In use test			Arthritis Pleuropneumonia abscesses mas	
Ornithobacterium rhinotracheale	177	1:100		Canada	Contaminated wood surface	G-			
Pasteurella haemolytica	70	1:100		USA	AOAC EPA DIS/TIS 1&2	G-	fac an	pasteurellosis	cattle/sheep
Pasteurella multocida	24	1:150	Strain CB169	England	5% Yeast 5 mins contact	G-	fac an	atrophic rhinitis	swine
Pasteurella multocida	125	1:100	ATCC 12947	USA	AOAC Use-Dilution Test	G-	fac an	fowl cholera	poultry
Pasteurella multocida	177	1:100		Canada	Contaminated wood surface	G-	fac an		
Proteus hauseri	220	1:100		Italy	EN1656				

A summary of the Bacterial Efficacy of Antec Virkon S

Organism	Ref. No	Dilution	Strain	Country	Comments	Gram	O ₂ Status	disease	animal
Proteus mirabilis	63	1:100	ATCC 14153	England	European suspension test	G-	fac an		
Proteus mirabilis		1:200	ATCC 14153	W Germany	DGHM Protocol	G-	fac an		
Proteus mirabilis	158	1:100	ATCC 14153	England	European Suspension Test	G-	fac an		
Proteus vulgaris	220		ATCC 13315	Italy	EN1656	G-			
Proteus vulgaris	61	Powder	Strain NCTC 4635	England	Blood spillage test	G-	fac an		
Proteus vulgaris	67	Powder	Strain NCTC 4635	England	Blood Spillage Test	G-	fac an		
Pseudomonas aeruginosa	25	1:100		Belgium	European Suspension Test	G-	aer	mastitis	cattle
Pseudomonas aeruginosa	25	1:200		Belgium	Modified Kelsey- Sykes	G-	aer	pneumonia	man
Pseudomonas aeruginosa	25	1:50		Belgium	Practical Test	G-	aer		
Pseudomonas aeruginosa	37	1:100		Greece		G-	aer		
Pseudomonas aeruginosa	38	1:200	Strain NCTC 6749	Australia	TGA Disinfectant Test	G-	aer		
Pseudomonas aeruginosa	45	1:100	Strain 6749	Sweden	Modified Kelsey-Sykes	G-	aer		
Pseudomonas aeruginosa	46	1:100	Strain NCTC 10662	England	Modified Kelsey-Sykes	G-	aer		
Pseudomonas aeruginosa	64	1:100		Canada	DPD Method (APHA 1989)	G-	aer		
Pseudomonas aeruginosa	67	Powder	Strain NCTC 6749	England	Blood Spillage Test	G-	aer		
Pseudomonas aeruginosa	75	1:50	ATCC 15442	England	AOAC Detergent Sanitiser	G-	aer		
Pseudomonas aeruginosa	109	1:200		USA	AOAC Use-dilution test	G-	aer		
Pseudomonas aeruginosa	113	1:100	ATCC 15442	USA	AOAC Use-dilution method	G-	aer		
Pseudomonas aeruginosa	114	1:100	ATCC 15442	USA	AOAC Use-dilution method	G-	aer		
Pseudomonas aeruginosa	130	1:100	ATCC 15442	USA	AOAC Hard Water Test	G-	aer		
Pseudomonas aeruginosa	130	1:100	NCIMB 10421	USA	AOAC Hard Water Test	G-	aer		
Pseudomonas aeruginosa	148	1:200	CIP A22	France	AFNOR T 72-171	G-	aer		
Pseudomonas aeruginosa	149	1:100	CIP A22	France	AFNOR T 72-190	G-	aer		
Pseudomonas aeruginosa	150	1:100	ATCC15442	USA	AOAC protocol+F404	G-	aer		
Pseudomonas aeruginosa	157	1:100	NCIMB 10421	USA	AOAC DIS/TSS-1	G-	aer		
Pseudomonas aeruginosa	194	1:100		UK	EN1276			10C CCFRA	
Pseudomonas aeruginosa	196	1:200	CIP103467	France	EN 1276				
Pseudomonas aeruginosa	158	1:100	ATCC 15442	England	European Suspension test	G-	aer		
Pseudomonas aeruginosa	220	1:100	ATCC 15442	Italy	EN1656	G-			
Renibacterium salmoninarum	88	1:100		Sweden	European Suspension test	G+		kidney disease	fish
Salmonella 4,12,b	65	1:100		Denmark	Mod. Kelsey-Sykes 5% yeast	G-	fac an		
Salmonella arizona	177	1:100		Canada	Contaminated wood surfaces	G-	fac an		
Salmonella choleraesuis	1	1:120		England	UK MAFF Approval	G-	fac an	salmonellosis	pigs

A summary of the Bacterial Efficacy of Antec Virkon S

Organism	Ref. No	Dilution	Strain	Country	Comments	Gram	O ₂ Status	disease	animal
Salmonella choleraesuis	75	1:50	ATCC 10708	England	AOAC Detergent Sanitiser	G-	fac an		
Salmonella choleraesuis	146	1:100	ATCC 23564	USA	AOAC EPA DIS/TIS 1&2	G-			
Salmonella choleraesuis	150	1:100	ATCC 10708	USA	AOAC protocol	G-			
Salmonella choleraesuis	152	1:100	ATCC 23564	USA	AOAC EPA DIS/TIS 1&2				
Salmonella enteritidis	28	1:100	Phage type 4	England		G-	fac an	salmonellosis	horses
Salmonella enteritidis	70	1:50		USA	AOAC EPA DIS/TIS 1&2	G-	fac an		
Salmonella heidelberg	65	1:15		Denmark	Mod. Kelsey-Sykes 5% yeast	G-	fac an	salmonellosis	horses
Salmonella indiana	65	1:15		Denmark	Mod. Kelsey-Sykes 5% yeast	G-	fac an		
Salmonella llandorf	65	1:15		Denmark	Mod. Kelsey-Sykes 5% yeast	G-	fac an		
Salmonella montevideo	65	1:15		Denmark	Mod. Kelsey-Sykes 5% yeast	G-	fac an	salmonellosis	sheep
Salmonella thomasville	65	1:200		Denmark	Mod. Kelsey-Sykes 5% yeast	G-	fac an		
Salmonella typhi	92	1:400	NIPM 90061	Taiwan	Modified Kelsey-Sykes	G-	fac an		
Salmonella typhimurium	35	1:500	Strain HT-2	Japan		G-	fac an	paratyphoid	poultry
Salmonella typhimurium	151	1:100	GBL 106	USA	AOAC protocol	G-	fac an		
Salmonella typhimurium	165	1:200	DT104	Engkand	pr EN1656	G-	fac an		
Salmonella typhimurium	202	1:100	ATCC 23564	USA	USA EPA Approval	G-			
Salmonella typhimurium	194	1:100	StFH68/a	England	EN 1276	G-			
Salmonella Java	195	1:100	Salmonella paratyphi B bi	Holland		G-			
Serpulina hyodysenteriae *	36	1:400	Isolate P152	Scotland	Challenge = pig faeces		an	dysentery	pig
Serpulina hyodysenteriae *	70	1:100		USA	AOAC EPA DIS/TIS 1&2		an	dysentery	pig
* The Treponemas have changed their name to the Serpulinas.									
Serratia marcescens	64	1:100		Canada	DPD method (APHA 1989)	G-	fac an		
Shigella flexneri	92	1:200	NIPM 900213	Taiwan	Modified Kelsey-Sykes	G-	fac an	dysentery	man
Shigella sonnei	121	1:100	ATCC 25931	USA	AOAC Use Dilution Test	G-	fac an		
Staphylococcus aureus	6	1:1400	Strain 135	Greece		G+	aer		
Staphylococcus aureus	25	1:100		Belgium	European Suspension Test	G+	aer	mastitis	cattle
Staphylococcus aureus	25	1:100		Belgium	Modified Kelsey-Sykes	G+	aer	mastitis	pig
Staphylococcus aureus	25	1:200		Belgium	Practical Test	G+	aer	mastitis	sheep
Staphylococcus aureus	31	1:100	ATCC 6538	Holland	AFNOR NFT F35372-171	G+	aer	coliform mastitis	cow
Staphylococcus aureus	49	1:100		USA		G+	aer		

A summary of the Bacterial Efficacy of Antec Virkon S

Organism	Ref. No	Dilution	Strain	Country	Comments	Gram	O ₂ Status	disease	animal
Staphylococcus aureus	63	1:100	ATCC 6538	England	European suspension test	G+	aer		
Staphylococcus aureus	45	1:100	Strain NCTC 3163	Sweden	Modified Kelsey-Sykes	G+	aer		
Staphylococcus aureus	75	1:50	ATCC 6538	England	AOAC detergent sensitiser	G+	aer		
Staphylococcus aureus	109	1:100		USA	AOAC use-dilution test	G+	aer		
Staphylococcus aureus	115	1:100	ATCC 6538	USA	AOAC use-dilution test	G+	aer		
Staphylococcus aureus	116	1:200	ATCC 6538	USA	AOAC use-dilution test	G+	aer		
Staphylococcus aureus	130	1:100	ATCC 6538	USA	AOAC Hard Water Test	G+	aer		
Staphylococcus aureus	130	1:100	NCIMB 9518	USA	AOAC Hard Water Test	G+	aer		
Staphylococcus aureus	139	1:100	ATCC 6538	USA	AOAC Hard Water Test	G+	aer		
Staphylococcus aureus	139	1:100	NCIMB 9518	USA	AOAC Hard Water Test	G+	aer		
Staphylococcus aureus	148	1:2000	CIP 53.154	France	AFNOR T 72-171	G+	aer		
Staphylococcus aureus	149	1:100	CIP 53.154	France	AFNOR T 72-190	G+	aer		
Staphylococcus aureus	150	1:100	ATCC 6538	USA	AOAC protocol	G+	aer		
Staphylococcus aureus	158	1:100	ATCC 6538	UK	European Suspension Test	G+	aer		
Staphylococcus aureus	194	1:100		UK	EN 1276				
Staphylococcus aureus	196	1:100	CIP 4.83	France	EN 1276				
Staphylococcus aureus	177	1:100		Canada	contaminated wood surface	G+	aer		
Staphylococcus aureus	197	1:100	CIP 4.83	France	AFNOR NF T 72-190 (1988)				
Staphylococcus aureus	220	1:100	ATCC 6538	Italy	EN1656	G+			
Staphylococcus epidermidis	202	1:100	ATCC 12228	USA	USA EPA Approval				
Staphylococcus epidermidis	106	1:100	ATCC 14990	Italy	Suspension test	G+	aer		
Staphylococcus epidermidis	151	1:100	GBL 6	USA	AOAC protocol				
Staphylococcus intermedius	147	1:200	Noble 4060	UK	AOAC protocol				
Streptococcus equi	39	1:100		Scotland		G+	fac an	strangles	horse
Streptococcus equi	70	1:100		USA	AOAC EPA DIS/TIS 1&2	G+	fac an		
Streptococcus lactis	198	1:4000	lactic 66 Strep lactis bacter	France	AFNOR T72-181 (1989)				
Streptococcus pyogenes	151	1:100	GBL 7	USA	AOAC protocol				
Streptococcus pyogenes	202	1:100	ATCC 11229	USA	EPA Approval				
Streptococcus suis	24	1:150	Strain CB194	England	5% Yeast 5 mins contact	G+	fac an	septicemia	pig
Streptococcus suis	35	1:1000		Japan		G+	fac an	meningitis	pig
Streptococcus suis	124	1:100	ATCC 43765	USA	AOAC Use- Dilution Test	G+	fac an	arthritis	pig
Streptococcus zooepidemicus	39	1:100		Scotland		G+	fac an		
Xanthomonas campestris	159	1:100	Isolate 90-222	Holland	Culture Media Test			Yellow top in tomatoes and lettuce infect	
Xanthomonas axonopodis	201	1:100	ATCC 49118	USA	EPA Approval			citrus canker	

A summary of the Bacterial Efficacy of Antec Virkon S

Organism	Ref. No	Dilution	Strain	Country	Comments	Gram	O ₂ Status	disease	animal
<i>Yersinia enterocolitica</i>	194	1:100	YeFH67/a	UK	EN 1276	G-			
<i>Yersinia ruckeri</i>	41	1:50		Finland	Modified Kelsey-Sykes	G-	microaero	yersinosis	salmonid
<i>Yersinia ruckeri</i>	192	1:100	ATCC 29473	Norway	EN1276				

A summary of the the Fungal Efficacy of Antec Virkon S

Organism	Ref. No	Strain	Country	Comments	Dilution	disease	animal	Genera	group
<i>Absidia corymbifera</i>	21	Strain M#917	Japan		1:25	mucormycosis	cattle	zygomycota	Mucoraceae
<i>Alternaria solani</i>	167		Canada	Plant fungus	1:100				
<i>Aspergillus fumigatus</i>	21	Strain M#917	Japan		1:50	mycotic pneumonia	cattle	ascomycota	Trichocomaceae
<i>Aspergillus fumigatus</i>	49		USA		1:100				
<i>Aspergillus fumigatus</i>	72	ATCC 10894	USA	AOAC, EPA, DIS/TSS 1& 6	1:33		horse/dog	ascomycota	Trichocomaceae
<i>Aspergillus niger</i>	222	ANFH74/a	England	EN1650 40C	1:33				
<i>Aspergillus niger</i>	221	ATCC 16404	Italy	EN1657 10C	1:25				
<i>Aspergillus niger</i>	221	ATCC 16404	Italy	EN1657 30C	1:25				
<i>Botrytis cinerea</i>	167		Canada		1:100				
<i>Candida albicans</i>	21	Strain IFO 1594	Japan		1:1600			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	22	Strain NCTC 3179	England		1:100			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	27		Greece		1:100	candidiasis	man	ascomycota	Cryptococcaceae
<i>Candida albicans</i>	30		Belgium	Dutch 5-5-5 Protocol	1:100	candidiasis	chickens		Cryptococcaceae
<i>Candida albicans</i>	37		Greece		1:50			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	50		Scotland	Surface test - instruments	1:100			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	93	ATCC 10231	W Germany	DGHM Protocol	1:100			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	93	ATCC 10231	W Germany	DGHM Protocol	1:100			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	93	ATCC 10231	W Germany		1:100			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	97	LMFL 985	Portugal	AFNOR NF T 72-201	1:100			ascomycota	Cryptococcaceae
<i>Candida albicans</i>	151	gbl 648	USA	AOAC protocol	1:100				
<i>Candida albicans</i>	158	ATCC 10231	England	European Suspension Test	1:33				
<i>Candida albicans</i>	222	CaFH69/a	England	EN1650 20C	1:40				
<i>Candida albicans</i>	221	ATCC 10231	Italy	EN1657 10C	1:33				
<i>Candida albicans</i>	221	ATCC 10231	Italy	EN1657 30C	1:33				
<i>Colletotrichum coccodes</i>	167		Canada	Plant fungus	1:100				
<i>Didymella bryoniae</i>	167		Canada	Plant fungus	1:100				
<i>Epicoccum nigrum</i>	91		New Zealand	Plant fungus	1:100				
<i>Erwinia amylovora</i>	77	ICMP 9148	New Zealand		1:250	fireblight of apple, pear			
<i>Erwinia carotovora</i>	42	Subsp atroseptica	Finland		1:100				
<i>Fusarium moniliforme</i>	73	ATCC 10052	USA	AOAC EPA DIS/TSS 1&6	1:50	leukoencephalomalacia	horse		Fungi Imperfecti
<i>Fusarium oxysporum</i>	167		Canada	Plant fungus	1:100				
<i>Fusarium solani</i>	21	Strain F889	Japan		1:400	pulmonary emphysema	cattle		Fungi Imperfecti

A summary of the the Fungal Efficacy of Antec Virkon S

Organism	Ref. No	Strain	Country	Comments	Dilution	disease	animal	Genera	group
Fusarium solani	167		Canada	Plant fungus	1:100				
Geotrichum cutaneum	21	Strain M#49-11	Japan		1:25	geotrichosis	cattle	ascomycota	Cryptococcaceae
Malassezia pachydermatis	166	NCPF 3667	England	pr EN1657	1:100				
Microsporium canis	21	Strain S294A	Japan		1:6400	ringworm	man	Ascomycota	Arthrodermataceae
Penicillium oxalicum	167		Canada	Plant fungus	1:100				
Phomopsis sclerotioides	167		Canada	Plant fungus	1:100				
Pithomyces chartarum	91		New Zealand	Plant Fungus	1:400				
Pyrenochaeta lycoopersici	167		Canada	Plant fungus	1:100				
Pythium aphanidermatum	167		Canada	Plant fungus	1:100				
Rhizoctonia solani	167		Canada	Plant fungus	1:100				
Saccharomyces cerevisiae	218	ScFH68/a	UK	EN1650	1:40	-	-	-	-
Sclerotinia sclerotiorum	167		Canada	Plant fungus	1:100				
Thielaviopsis basicola	160	Isolate #294 / #295	Canada	poison agar test	1:500	root rot	tomato plants		
Trichophyton gypseum	83		Russia	Protocol 739-68 (30 mins)	1:200	white piedra	man		Ascomycota
Trichophyton mentagrophytes	75	Strain NCPF 335	England	AOAC fungicidal protocol	1:300	dermatophytosis	horses		Ascomycota
Trichophyton mentagrophytes	119	ATCC 9533	USA	AOAC fungicidal protocol	1:50	dermatophytosis	cat		Ascomycota
Trichophyton verrucosum	21	Strain M#912-12	Japan		1:6400	dermatophytosis			Ascomycota
Trichosporon cutaneum	21		Japan		1:50	mastitis	cattle		Basidiomycota
Verticillium dahliae	167		Canada		1:100				