

Efficacy Summary Virkon™ S : Viruses

Family	Genera	Organism	Ref. No.	Strain (where stated)	Country	Comments	Pass Dilution(s)/ Concentration(s)
Adenoviridae	Aviadenovirus	Adenovirus	89	h5	France	AFNOR T 72 - 180	1:100
	Aviadenovirus	Adenovirus ana1	12	Strain EDS 127	England	VLA	1:100
	Aviadenovirus	Adenovirus ana2	71	ATCC VR-921 (Duck)	USA	EPA compliant method	1:100
	Mastadenovirus	ICH virus	49	Purdue strain	USA	EPA compliant method	1:100
	Mastadenovirus	Bovine adenovirus type 4	143	ATCC VR-640	USA	EPA compliant method	1:100
	Mastadenovirus	ICH virus	171	ATCC VR800	USA	EPA compliant method	1:100
	Aviadenovirus	Avian adenovirus type 2	268	ATCC VR-280 (Fontes)	USA	EPA compliant method	1:200
	Aviadenovirus	Avian adenovirus type 2	327	ATCC VR-280 (Fontes)	USA	EPA compliant method	1:200
African Swine Fever like viruses	Species specific	ASF virus	183	ASF virus isolate LIL	UK	DEFRA type method	1:800
	Species specific	ASF virus	336	ASF virus strain BA71V	Spain	EN 14675 modified (5 mins)	1:200
	Species specific	ASF virus	342	ASF virus strain BA71V	Spain	EN 14675 modified (5 mins)	1:500
	Species specific	ASF virus	345	ASF virus strain BA71V	Spain	CISA-INIA EN 14675 mod.	1:200
	Species specific	ASF virus	345	ASF virus strain BA71V	Spain	CISA-INIA EN 14675 mod.	1:800
	Species specific	ASF virus	346	ASF virus strain BA71V	Spain	CISA-INIA EN 14675 mod.	1:100
	Species specific	ASF virus	347	ASF virus strain BA71V	Spain	CISA-INIA EN 14675 mod.	1:1000
	Species specific	ASF virus	356	ASF virus strain BA71V	Netherlands	Wageningen EN 14675 mod.	1:125
	Species specific	ASF virus	356	ASF virus strain BA71V	Netherlands	Wageningen EN 14675 mod.	1:250
Arenaviridae	Arenavirus	Lassa fever virus	19	VLA	England	VLA	1:200
Arteriviridae	Arterivirus	Lelystad virus	81	VLA	England	UK Yeast Method	1:700
	Arterivirus	Equine arteritis virus	10	Bucyrus strain	England	VLA	1:350
	Arterivirus	Equine arteritis virus	71	ATCC VR-796	USA	EPA compliant method	1:100

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	Arterivirus	Porcine Respiratory & Reproductive Syndrome virus	208	NVSL strain	USA	EPA compliant method	1:250
	Arterivirus	Porcine Respiratory & Reproductive Syndrome virus	208	NVSL strain	USA	EPA compliant method	1:500
	Arterivirus	Porcine Respiratory & Reproductive Syndrome virus	251	NVSL strain	USA	EPA compliant method	1:600
	Arterivirus	Porcine Respiratory & Reproductive Syndrome virus	260	NVSL strain	USA	EPA compliant method	1:600
	Arterivirus	Porcine Respiratory & Reproductive Syndrome virus	277	NSVL strain	USA	EPA compliant method 5°C/1 min	1:200
	Arterivirus	Porcine Respiratory & Reproductive Syndrome virus	323	NSVL strain	USA	EPA compliant method	1:200
Astroviridae	Astrovirus	PEMS associated astrovirus	184	not specified	USA	University of Georgia own method	1:67
Baculoviridae	Baculovirus	White spotted red baculovirus	181	White spotted red virus	Thailand	Prince of Songkla University, own method	9ppm
Birnaviridae	Birnavirus	IBD virus	44	Strain DV86	England		1:250
		IBD virus	111	Solvay strain	USA	EPA compliant method	1:100
		IBD virus	154	not specified	USA	EPA compliant method	1:100
		IBD virus	177	not specified	Canada	contaminated wood surface	1:100
		IBD virus	193	K strain	Japan	5% FCS	1:1000
		IBD virus	253	Solvay strain	USA	EPA compliant method	1:200

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		IBD virus	271	not stated	Thailand	Thailand Min of Agriculture & Cooperatives	1:200
		IBD virus	324	Solvay strain	USA	EPA compliant method	1:100
		Infectious pancreatic necrosis	66	not stated	Norway	Clean & Dirty Conditions	1:50
		Infectious pancreatic necrosis	66	not stated	Norway	Clean & Dirty Conditions	1:100
		Infectious pancreatic necrosis	66	not stated	Norway	Clean & Dirty Conditions	1:500
		Infectious pancreatic necrosis	217	FR31:75	UK	prEN14675	1:200
Bunyaviridae	Phlebovirus	Rift valley fever virus	18	not specified	England	VLA	1:400
Caliciviridae	Calicivirus	Feline calici virus	138	ATCC VR782	USA	EPA compliant method	1:100
Circoviridae	Circovirus	Chicken anaemia virus	134	Cux 1	England	DEFRA method	1:250
	Circovirus	Porcine circovirus Type 2	185	ISU 31	USA	Iowa State University, own method	1:100
	Circovirus	Porcine circovirus Type 2	200	not specified	USA	EPA compliant method	1:200
Coronaviridae	Coronavirus	Infectious Bronchitis Virus	131	AOAC standard	USA	EPA compliant method	1:100
	Coronavirus	TGE Virus	8	Strain FS216/63	England	DEFRA method	1:450
	Coronavirus	TGE Virus	71	ATCC VR-763	USA	EPA compliant method	1:100
	Coronavirus	Feline infectious Peritonitis	172	ATCC VR2202	USA	EPA compliant method	1:100
	Coronavirus	Canine Coronavirus	175	ATCC VR-809	USA	EPA compliant method	1:100
	Coronavirus	Infectious bronchitis	248	Solvay AH strain Beaudette IB42	USA	EPA compliant method	1:100
	Coronavirus	Porcine enteric diarrhoea virus	255	Colorado 2013 isolate	USA	EPA compliant method	1:600
	Coronavirus	Infectious Bronchitis Virus	262	Solvay AH strain Beaudette IB42	USA	EPA compliant method	1:200
	Coronavirus	Porcine enteric diarrhoea virus	269	Colorado 2013 isolate	USA	EPA compliant method	1:200
	Coronavirus	Infectious bronchitis	248	Solvay AH strain	USA	EPA compliant method	1:200

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Coronaviridae	Coronavirus	Porcine enteric diarrhoea virus	330	Colorado 2013 isolate	USA	EPA method	1:200
		Avian infectious bronchitis	332	Solvay AH strain Beaudette IB42	USA		
		Porcine enteric diarrhoea virus	334	Colorado 2013 isolate	USA	EPA compliant method	1:600
Flaviviridae	Flavivirus	Zika virus	264	ATCC VR-1838	USA	EPA compliant method	1:100
	Hepacivirus	Hepatitis C virus	203	(BVDV) (MDBK) ATCC CCL-22	USA	EPA compliant method	1;100
	Hepacivirus	Hepatitis C virus	204	(BVDV) (MDBK) ATCC CCL-22	USA	EPA compliant method	1;100
	Pestivirus	Bovine viral diarrhoea virus	71	ATCC VR 534	USA	EPA compliant method	1:100
	Pestivirus	Bovine viral diarrhoea virus	193	Nose strain	Japan	5% FCS	1:500
	Pestivirus	Bovine viral diarrhoea virus	193	Nose strain	Japan	0.5% FCS	1:1000
	Pestivirus	Classical Swine Fever Virus	170	Not specified	England	UK yeast method	1:150
Hepadnaviridae	Hepadnavirus	Hepatitis B virus	206	(DHBV) Hepadna Virus testing	USA	EPA compliant method	1:100
	Hepadnavirus	Hepatitis B virus	207	(DHBV) Hepadna Virus testing	USA	EPA compliant method	1:100
Herpesviridae	alpha	Equid herpes virus 3	112	Type 3 (alpha)	USA	EPA compliant method	1:100
	alpha	Equid herpes virus 1	123	Type 1 (alpha)	USA	EPA compliant method	1:100
	alpha	Bovid herpesvirus 1	9	Oxford strain	England	DEFRA method	1:600
	alpha	Bovid herpesvirus 1	71	ATCC VR-188	USA	EPA DIS/TSS-7	1:100
	alpha	Suid herpes virus 1	34	field strain no.86/7756	N Zealand	Aujeszky's disease	1:200
	alpha	Suid herpes virus 2	71	ATCC VR-135	USA	EPA compliant method	1:100
	alpha	Felid herpes virus 1	137	ATCC VR636	USA	EPA compliant method	1:100
	gamma	Gallid herpes virus 2	71	ATCC VR-584 C (TRT)	USA	EPA compliant method	1:100
	gamma	Gallid herpes virus 2	69	Not specified	England	DEFRA method	1:200
	gamma	Gallid herpes virus 1	155	not specified	USA	EPA compliant method	1:100

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Herpesviridae	gamma	Gallid herpes virus 1	243	Strain LT-IVAX	USA	EPA compliant method	1:200
	gamma	Gallid herpes virus 2	265	Marek's disease Charles River Lab. strain	USA	EPA compliant method	1:200
	gamma	Gallid herpes virus 1	322	Strain LT-IVAX	USA	EPA compliant method	1:200
	gamma	Gallid herpes virus 2	340	Marek's disease Charles River Lab. strain	USA	EPA compliant method	1:200
Orthomyxoviridae	type A	Avian influenza virus	11	H7N1	England	DEFRA method	1:320
	type A	Avian influenza virus*	weblink	* claims made vs AI virus are only valid within the scope of the DEFRA Diseases of Poultry Order and the Avian Influenza and Influenza of Avian Origin in Mammals Order	England	UK DEFRA Approval	1:280
	type A	Avian influenza virus	156	not specified	USA	EPA compliant method	1:100
	type A	Avian influenza virus	216	ATCC VR-544 Hong Kong strain	USA	EPA compliant method	1:100
	type A	Equine influenza virus	128	ATCC VR-2070	USA	EPA DIS/TSS-7	1:100
	type A	Avian influenza virus	218	A/Goose/Guangdong/1/96 (H5N1)	China	H5N1 strain	1:800
	type A	Avian influenza virus	218	A/Turkey/Wisconsin/1/66 (H9N2)	China	H9N2 strain	1:1000
	ISA virus	Infectious salmon anemia virus	187	not specified	Canada	EPA compliant method	1:200
	ISA virus	Infectious salmon anemia virus	188	not specified	Canada	laboratory own	1:100
	type A	avian influenza virus	226	H5N1	Thailand	OIE method	1:500
	type A	swine influenza A	225	H1N1 strain ATCC VR-333	USA	EPA compliant method	1:100
	type A	avian influenza virus	254	H7N9	USA	EPA compliant method	1:600
	type A	avian influenza virus	261	H7N9 strain wildtype A/Anhui/1/2013 CDC # 2013759189	USA	EPA compliant method	1:200

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Orthomyxoviridae	type A	avian influenza virus	267	H3N2 virus	USA	EPA	1:25 (+ 10% FE)
	type A	swine influenza A	273	H1N1 strain ATCC VR-333	USA	EPA	1:200
	type A	avian influenza virus	274	H7N9 Strain Wildtype A/Anhui/1/2013	USA	EPA compliant method	1:200
	type A	avian influenza virus	275	H5N1	Thailand	laboratory own	1:250
		avian influenza virus	317	H3N8 A/duck/Ukraine/1/63	Germany	EN 14476 2013 + A1:2015	1:500
	type A	avian influenza virus	325	H7N9 Strain Wildtype A/Anhui/1/2013	USA	EPA compliant method (10 minutes)	1:600
	type A	avian influenza virus	326	H7N9 Strain Wildtype A/Anhui/1/2013	USA	EPA compliant method (1 minute)	1:600
	type A	Influenza A virus	333	H7N9 Strain Wildtype A/Anhui/1/2013	USA	EPA compliant method (15 seconds)	1:300
	type A	avian influenza virus	353	AIV H5N8	Germany	EN 14765	1:500
Papovaviridae	Papilloma viruses	Bovine polyoma virus	2	not specified	England	DEFRA method	1:100
	Papilloma viruses	SV40 Virus (simian)	110	ATCC VR-305	USA	EPA compliant method	1:100
Paramyxoviridae	Avian paramyxovirus	Avian paramyxovirus 1	weblink	Herts. 1933	England	UK DEFRA Approval	1:280
	Avian paramyxovirus	Avian paramyxovirus 1	153	not specified	USA	EPA compliant method	1:100
	Avian paramyxovirus	Avian paramyxovirus 1	177	not specified	Canada	contaminated wood	1:100
		Parainfluenza virus	71	ATCC VR-281	USA	EPA compliant method	1:100
	Paramyxovirus	canine parainfluenza	173	ATCC VR666	USA	EPA compliant method	1:100
	Paramyxovirus	Newcastle Disease Virus	193	B1 strain	Japan	5% FCS	1:500
	Paramyxovirus	Newcastle Disease Virus	218	F48E9 strain	China	laboratory own	1:1500
	Paramyxovirus	Newcastle Disease Virus	219	F48E9 strain	China	laboratory own	1:2000
	Pneumovirus	TRT virus	15	Strain CVL14/1CEF(4)	England	VLA	1:200

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Paramyxoviridae	Avian paramyxovirus	Newcastle Disease Virus	256	ATCC VR-108	USA	EPA DIS/TSS-7	1:200
	Avian paramyxovirus	Newcastle Disease Virus	263	ATCC VR-108 Strain B1	USA	EPA DIS/TSS-7	1:200
	Avian paramyxovirus	Newcastle Disease Virus	338	ATCC VR-108 Strain B1	USA	EPA DIS/TSS-7	1:200
	Avian paramyxovirus	Newcastle Disease Virus	339	ATCC VR-108 Strain B1	USA	EPA DIS/TSS-7	1:200
		Canine distemper virus	361	ATCC VR-126, strain Lederie	USA	EPA compliant method	1:200
Parvoviridae	Parvovirus	Canine parvovirus	34	attenuated strain	N Zealand	laboratory own	1:50
	Parvovirus	Canine parvovirus	49	Cornell strain	USA	EPA compliant method	1:100
	Parvovirus	Parvovirus	71	ATCC VR-742	USA	EPA compliant method	1:100
	Parvovirus	Feline parvovirus	136	ATCC VR-648	USA	EPA compliant method	1:100
	Parvovirus	Canine parvovirus	174	ATCC VR-2017	USA	EPA compliant method	1:100
	Parvovirus	Aleutian Disease Virus	178	Utah	Holland	Immune complex formation	1:50
	Parvovirus	Mouse parvovirus	199	ATCC VR-1346	USA	EPA compliant method	1:100
	Parvovirus	Canine parvovirus	329	ATCC VR-2017	USA	EPA compliant method (3 mins)	1:75
	Parvovirus	Canine parvovirus	335	ATCC VR-742 strain Cornell	USA	EPA compliant method (1 min)	1:75
Picornaviridae	Aphthovirus	Foot and mouth disease virus	weblink	FMDV strain O1 BFS 1860/67	England	UK DEFRA approval	1:1300
	Enterovirus	Swine enterovirus	weblink	not specified	England	UK DEFRA approval	1:100
	Enterovirus	Polio virus	89	Sabin strain	France	AFNOR T 72 - 180	1:100
	Aphthovirus	Foot and mouth disease virus	193	0/JPN/2000 strain	Japan	laboratory own	1:2000
	Enterovirus	ECBO virus	223	ATCC VR-248	Germany	EN14675	1:100
	Enterovirus	ECBO virus	223	ATCC VR-248	Germany	EN14675	1:50
	Enterovirus	ECBO virus	223	ATCC VR-248	Germany	EN14675	1:33
	Enterovirus	ECBO virus	223	ATCC VR-248	Germany	EN14675	1:25

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Picornaviridae	Enterovirus	ECBO virus	321	ATCC VR-248	UK	EN 14675:2015	1:200
	Enterovirus	Hepatitis A virus	205	(HAV) FRhK-4 cells	USA	USA EPA Approval	1:100
	Enterovirus	Seneca Valley virus	344	ATCC PA-5343	USA	USA EPA Approval	1:105
	Aphovirus	Foot and mouth disease virus	240	O1 BFS 1860/ 67	UK	IAH / DEFRA test method with 1% FBS	1:1800
	Aphovirus	Foot and mouth disease virus	231	O1 BFS 1860 (Type 0 British field strain)	UK	5% FBS	1:200
	Enterovirus	ECBO virus	270	ATCC VR-248	UK	EN 14675:2015	1:100
	Enterovirus	ECBO virus	270	ATCC VR-248	UK	EN 14675:2015	1:80
	Enterovirus	Foot and mouth disease virus	276	O1 BFS 1860/67	UK	IAH/DEFRA method	1:200
	Enterovirus	Foot and mouth disease virus	271a	FMD type A	Thailand	Thailand Min of Agriculture & Cooperatives	1:100
	Enterovirus	Foot and mouth disease virus	271b	FMD type A	Thailand	Thailand Min of Agriculture & Cooperatives	1:200
	Enterovirus	Swine enterovirus	weblink	SVDV UK G 27/72	England	UK DEFRA approval	1:100
Poxviridae	Parapox virus	Bovine pseudocowpox virus	3	not specified	England	VLA	1:300
	Avipox	Avian Poxvirus	177	not specified	Canada	Contaminated wood	1:100
	Orthopox virus	Polio virus	89	Sabin strain	France	AFNOR T72 -180	1:100
Reoviridae	Reovirus	Avian reovirus	20	not specified	England	laboratory own	1:200
	Reovirus	Avian reovirus	177	not specified	Canada	contaminated wood surface	1:100
	Reovirus	Avian reovirus	328	ATCC VR-2449 Strain 2177	USA	EPA compliant method	1:100
	Rotavirus	Rotavirus	87	SA-II	Russia	Monkey strain	1:333
	Rotavirus	Rotavirus	87	Human strain no. 134	Russia		1:250
							1:1000
	Rotavirus	Calf rotavirus	71	ATCC VR 452	USA	EPA DIS/TSS-7	1:100

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	Orthoreovirus	Avian reovirus	250	ATCC VR-2449	USA	EPA DIS/TSS-7	1:100
	Rotavirus	porcine rotavirus	259	ATCC VR-893 Strain OSU Attenuated	USA	EPA compliant method	1:600
	Rotavirus	bovine rotavirus	266	ATCC VR-2102	USA	EPA compliant method	1:100
	Rotavirus	porcine rotavirus	331	ATCC VR-893 Strain OSU Attenuated	USA	EPA compliant method	1:600
Retroviridae	Lentivirus	HIV	127	Type 1	USA	EPA compliant method	1:100
	Lentivirus	Maedi and visna virus	6	K184 strain	England	DEFRA method	1:1400
	Oncovirus	Avian leucosis virus	176	Strain J	England	DEFRA method	1:200
Rhabdoviridae	Lyssavirus	Rabies virus	16	CBS Strain	England	DEFRA method	1:600
	Novirhabdovirus	Snakehead rhabdovirus	80	Strain 19	Scotland	laboratory own	1:500
							1:1000
	Novirhabdovirus	Snakehead rhabdovirus	80	Ban Pako strain	Scotland	laboratory own	1:500
	Vesiculovirus	Vesicular stomatitis	354	ATCC VR-158, strain Indiana	USA	EPA compliant method	1:200
							1:1000
Roniviridae	Okavirus	Yellow head virus	181		Thailand	Prince of Songkla University, laboratory own method	3ppm
<p>Note: weblink where stated refers to UK DEFRA Disinfectants list of approved products</p>							

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