

Qacidal - Active Ingredient : Quaternary Ammonium Compound Efficacy Report

Claim:	Contact Time:	Organic Soil:	Water Conditions:
Virucide	Varies	5%	400 ppm as CaCO ₃
Test Method:		EPA Guidelines	

Organism	Source of Virus or ATCC#	Host System; Cytopathic Effect	Contact Time	Dilution	Replicates	Results Log 10 Reduction
Hepatitis B (HBV)	Hepadnavirus Testing	Duck Hepatitis B (w/ 5 % serum)	10 Min	848 ppm (1/2 oz/gal)	4, 4	>4.2, >4.2
Hepatitis C (HCV)	Bovine Viral Diarrhea Virus	MDBK cells	10 Min.	848 ppm	2	>5.0
Herpes Simplex Type 1	HSV-1 Sabin	Human Epithelioma #2 cells; lytic cytopathic effect	10 Min.	848 ppm (1/2 oz/gal)	8	>4.0
Herpes Simplex Type 2	HSV-II Sabin (CL-5)	Human Epithelioma #2 cells; lytic cytopathic effect	10 Min.	848 ppm	8	>3.5
HIV-1 (AIDS Virus)	HTLV-III _B ; Electronucleonics Inc.	MT2 cells; lytic cytopathic effect	1 Min.	848 ppm	4	>4.5
Human Coronavirus	ATCC VR-740	MRC-5 Cells	10 Min.	848 ppm	2	>3
Influenza A/Brazil	A/Brazil 11/78 (H1N1) E-7 ; CDC	10-day chick embryo; death of embryo	10 Min.	848 ppm	4	>5.5
Norwalk (Feline Caliciviruses, the surrogate for Norwalk virus)	Feline Caliciviruse (FSV) University of Ottawa	Crandell feline kidney (CrFK) cells	10 Min.	848 ppm	3,3,3,3	>6.59, >6.58

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SARS associated Coronavirus	SARS associated coronavirus strain 200300592	Vero E6 cells	10 Min.	848 ppm	4	>3.67
Respiratory Syncytial Virus	VR-26	Hep-2 (Human Larynx carcinoma)	10 Min	848 ppm	2	>4.75
Vaccinia	Wyeth strain	H. Ep. #2 cells fed with EMEM95CS5; lytic cytopathic effect	10 Min.	848 ppm	8	>5.0
Adenovirus Type 5	ATCC VR-5	H. Ep. #2 cells lytic cytopathic effect	10 Min.	3391 ppm (2 oz/gal)*	4	>4.0
Adenovirus Type 7	ATCC VR-7	H1-HeLa, ATCC CRL - 1958	10 Mins	3391 ppm (2 oz/gal)*	3,3	>4.0

Note, the higher dilution is required for efficacy

Regulatory Summary of Active Ingredient Used (Quaternary Ammonium Compound)

EPA Registration No: 6836-78

USDA Authorization: C1

Canadian DIN: 1931814

Disclaimer:

Aforementioned efficacy results were done and given by US. Supplier.