

Test Organisms	Dried Virus Control	Sample	Result	Log Reduction
Avian Infectious Bronchitis virus Beaudette IB42	6.42 Log ₁₀	A	<=0.5 Log ₁₀	>=5.92 Log ₁₀
		B	<=0.5 Log ₁₀	>=5.92 Log ₁₀
	6.5 Log ₁₀	C	<=0.5 Log ₁₀	>=6.0 Log ₁₀
Avian Influenza A (H3N2) virus (Avian Reassortant) (ATCC VR-2072)	4.75 Log ₁₀	A	<=0.5 Log ₁₀	>=4.25 Log ₁₀
		B	<=0.5 Log ₁₀	>=4.25 Log ₁₀
		C	<=0.5 Log ₁₀	>=4.25 Log ₁₀
Avian Influenza A (H5N1) virus	6.75 Log ₁₀	A	<=0.5 Log ₁₀	>=6.25 Log ₁₀
		B	<=0.5 Log ₁₀	>=6.25 Log ₁₀
Canine Coronavirus ATCC VR-809	4.5 Log ₁₀	A	<=0.5 Log ₁₀	>=4.0 Log ₁₀
		B	<=0.5 Log ₁₀	>=4.0 Log ₁₀
	4.75 Log ₁₀	C	<=0.5 Log ₁₀	>=4.25 Log ₁₀
Canine Distemper virus	6.25 Log ₁₀	A	<=0.5 Log ₁₀	>=5.75 Log ₁₀
		B	<=0.5 Log ₁₀	>=5.75 Log ₁₀
	6.75 Log ₁₀	C	<=0.5 Log ₁₀	>=6.25 Log ₁₀
Feline Picornavirus	4.5 Log ₁₀	A	<=0.5 Log ₁₀	>=4.0 Log ₁₀
		B	<=0.5 Log ₁₀	>=4.0 Log ₁₀
	5.75 Log ₁₀	C	<=0.5 Log ₁₀	>=5.25 Log ₁₀
Hepatitis B Virus	5.06 Log ₁₀	A	<=0.27 Log ₁₀	>=4.79 Log ₁₀
	5.20 Log ₁₀	B	<=0.41 Log ₁₀	>=4.79 Log ₁₀
	5.06 Log ₁₀	Confirmatory B	<=0.27 Log ₁₀	>=4.79 Log ₁₀
Hepatitis C Virus	6.21 Log ₁₀	A	<=0.24 Log ₁₀	>=5.97 Log ₁₀
	6.21 Log ₁₀	B	<=0.42 Log ₁₀	>=5.79 Log ₁₀
	6.06 Log ₁₀	Confirmatory B	<=0.13 Log ₁₀	>=5.93 Log ₁₀
Herpes Simplex Virus Type 1	5.5 Log ₁₀	A	<=0.5 Log ₁₀	>=5.0 Log ₁₀
		B	<=0.5 Log ₁₀	>=5.0 Log ₁₀
	6.0 Log ₁₀	C	<=0.5 Log ₁₀	>=5.5 Log ₁₀

Xtreme raw material Base was evaluated in the presence of 5% serum and 400 ppm hard water with 10 minute contact time and found to be effective against the above noted viruses on hard, nonporous environmental surfaces.

Herpes Simplex Virus Type 2	6.0 Log ₁₀	A	<=0.5 Log ₁₀	>=5.5 Log ₁₀
		B	<=0.5 Log ₁₀	>=5.5 Log ₁₀
	5.75 Log ₁₀	C	<=0.5 Log ₁₀	>=5.25 Log ₁₀
Human Coronavirus	4.5 Log ₁₀	A	<=0.5 Log ₁₀	>=4.0 Log ₁₀
		B	<=0.5 Log ₁₀	>=4.0 Log ₁₀
	4.5 Log ₁₀	C	<=0.5 Log ₁₀	>=4.0 Log ₁₀
Human Immunodeficiency Virus type 1 (HIV 1)	5.75 Log ₁₀	A	<=1.5 Log ₁₀	>=4.25 Log ₁₀
		B	<=1.5 Log ₁₀	>=4.25 Log ₁₀
		C	<=1.5 Log ₁₀	>=4.25 Log ₁₀
Infectious Bovine Rhinotracheitis virus	4.5 Log ₁₀	A	<=0.0 Log ₁₀	>=4.0 Log ₁₀
		B	<=0.0 Log ₁₀	>=4.0 Log ₁₀
	4.75 Log ₁₀	C	<=0.0 Log ₁₀	>=4.25 Log ₁₀
Influenza A virus	6.5 Log ₁₀	A	<=0.0 Log ₁₀	>=6.0 Log ₁₀
		B	<=0.0 Log ₁₀	>=6.0 Log ₁₀
	6.0 Log ₁₀	C	<=0.0 Log ₁₀	>=5.5 Log ₁₀
Pseudorabies virus	6.25 Log ₁₀	A	<=0.5 Log ₁₀	>=5.75 Log ₁₀
		B	<=0.5 Log ₁₀	>=5.75 Log ₁₀
	5.5 Log ₁₀	C	<=0.5 Log ₁₀	>=5.0 Log ₁₀
Respiratory Syncytial virus ATCC VR-26	4.5 Log ₁₀	A	<=0.5 Log ₁₀	>=4.0 Log ₁₀
		B	<=0.5 Log ₁₀	>=4.0 Log ₁₀
	5.0 Log ₁₀	C	<=0.5 Log ₁₀	>=4.5 Log ₁₀
Transmissible Gastroenteritis virus	4.75 Log ₁₀	A	<=0.5 Log ₁₀	>=4.35 Log ₁₀
		B	<=0.5 Log ₁₀	>=4.25 Log ₁₀
	6.25 Log ₁₀	C	<=0.5 Log ₁₀	>=5.75 Log ₁₀
Vaccinia virus	6.75 Log ₁₀	A	<=0.5 Log ₁₀	>=6.25 Log ₁₀
		B	<=0.5 Log ₁₀	>=6.25 Log ₁₀
	6.5 Log ₁₀	C	<=0.5 Log ₁₀	>=6.0 Log ₁₀

Xtreme raw material Base was evaluated in the presence of 5% serum and 400 ppm hard water with 10 minute contact time and found to be effective against the above noted viruses on hard, nonporous environmental surfaces.

Xtreme Virucidal Data 06/03/2008
Environmental Manufacturing Solutions, LLC

Testing is performed per EPA Guidance DIS/TSS-7
3 lots and 4-Log reduction for Canada

Test Organisms	Dried Virus Control	Sample	Result	Log Reduction
Canine Parvovirus Type 2b	7.5 Log ₁₀	A	<=3.5 Log ₁₀	>=4.0 Log ₁₀
		B	<=3.5 Log ₁₀	>=4.0 Log ₁₀

Xtreme raw material Base was evaluated in the presence of 5% serum and 400 ppm hard water with 10 minute contact time and found to be effective against the above noted viruses on hard, nonporous environmental surfaces.