Test Organisms	Dried Virus Control	Sample	Result	Log Reduction	CrossOver to Swine Pathogen Based on Viral Family
Avian Infectious Bronchitis virus Beaudette IB42	6.42 Log_{10}	A	<=0.5 Log_{10}	>=5.92 Log_{10}	TGE andPED
		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}	Swine Influenza
		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}	TGE and PED
		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}	>=05.75 Log_{10}	Nipah Virus
		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}	Swine Vesicular Exanthema
		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}	No Crossover
	5.20 Log_{10}	B	<=0.41Log_{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}	Classical Swine Fever
	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}	

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 1	5.5 Log_{10}	A	$<=0.5\ Log_{10}$	$>=5.0\ Log_{10}$	No Crossover
		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.

Virus	Reduction	Lot			Note
Herpes Simplex Virus Type 2	6.0 Log$_{10}$	A	≤ 0.5 Log$_{10}$	≥ 5.5 Log$_{10}$	No Crossover
		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$_{10}$	No Crossover
		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$_{10}$	No Crossover
		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$_{10}$	See Pseudorabies
		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$_{10}$	Swine Influenza
		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 Log10	A	≤ 0.5 Log$_{10}$	≥ 5.75 Log$_{10}$	Swine Pathogen
		B	≤ 0.5 Log$_{10}$	≥ 5.75 Log$_{10}$	
	5.5 Log10	C	≤ 0.5 Log$_{10}$	≥ 5.0 Log$_{10}$	
Respiratory Syncytial virus ATCC VR-26	4.5 Log10	A	≤ 0.5 Log$_{10}$	≥ 4.0 Log$_{10}$	Blue eye disease
		B	≤ 0.5 Log$_{10}$	≥ 4.0 Log$_{10}$	
	5.0 Log10	C	≤ 0.5 Log$_{10}$	≥ 4.5 Log$_{10}$	
Transmissible Gastroenteritis virus	4.75 Log10	A	≤ 0.5 Log$_{10}$	≥ 4.35 Log$_{10}$	Swine Pathogen
		B	≤ 0.5 Log$_{10}$	≥ 4.25 Log$_{10}$	
	6.25 Log10	C	≤ 05 Log$_{10}$	≥ 5.75 Log$_{10}$	
Vaccinia virus	6.75 Log10	A	≤ 0.5 Log$_{10}$	≥ 6.25 Log$_{10}$	Swine Pox
		B	≤ 0.5 Log$_{10}$	≥ 6.25 Log$_{10}$	
	6.5 Log10	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.

Test Organisms	Dried Virus Control	Sample	Result	Log Reduction	
Canine Parvovirus Type 2b	7.5 Log10	A	$\leq 3.5\ Log_{10}$	$\geq 4.0\ Log_{10}$	Swine Parvovirus
		B	$\leq 3.5\ Log_{10}$	$\geq 4.0\ Log_{10}$	

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.