

Test Results

Parameter	Voltage setting 1 (Low)		Voltage setting 2 (mild)		Voltage setting 3 (Moderate)	
	Total microbial count (CFU)		Total microbial count (CFU)		Total microbial count (CFU)	
	Before treatment	After treatment	Before treatment	After treatment	Before treatment	After treatment
Total bacterial count	16	9	16	6	16	1
Yeast and mould count	4	2	4	1	4	0
<i>TBC</i> removal %	44		62.5		93.75	
Yeast and mould count removal %	50		75		100	

Virus	Action Time	Serial Number	Air virus content (TCID ₅₀ /m ³)	Killing rate (%)
H1N1 Influenza virus (A/PR/8/34) Host cell: MDCK	0 (CK)	1	1.37×10 ⁶	
		2	1.25×10 ⁶	
		3	1.68×10 ⁶	
	2h	1	8.43×10 ²	99.90
		2	8.43×10 ²	99.90
		3	9.91×10 ²	99.89
EV71 Host cell: Vero	0 (CK)	1	2.67×10 ⁶	
		2	1.68×10 ⁶	
		3	2.12×10 ⁶	
	2h	1	1.68×10 ³	99.90
		2	2.21×10 ³	99.79
		3	1.37×10 ³	99.89

Virus	Time	Group	First Test Log (TCID ₅₀ /ml)	Second Test Log (TCID ₅₀ /ml)	Third Test Log (TCID ₅₀ /ml)	Average Log (TCID ₅₀ /ml)	Average logarithm of virus inactivation
HCoV-22	120 min	Test group	2.50	2.33	2.50	2.44	89%
9E		Control group	3.33	3.33	3.33	3.33	