GOING BEYOND HUMAN CAPABILITIES

Tru-D® SmartUVC vs SARS-CoV-2

Tru-D® SmartUVC proven to inactivate SARS-CoV-2

UVC device demonstrated inactivation of the virus at distances up to 14 feet

Tru-D SmartUVC has generated data showing its patented Sensor360® technology is effective for inactivation of the SARS-CoV-2 virus on hard, nonporous surfaces. An independent laboratory that performs environmental, food and life science testing for businesses, performed the efficacy testing. The testing demonstrated the **Tru-D** robot achieved **3 to 4 log_{10} reduction** of the SARS-CoV-2 virus at **up to 14 feet in both direct and shadowed areas**.

	Distance	Exposure Type		Baseline Viral Load ($Log_{10}TCID_{50}$)	Log_{10} Reduction
A	6ft	Direct	1	5.91	≥ 4.48
			2		≥ 4.48
		Indirect	1		≥ 4.48
			2		≥ 4.48
	14ft	Direct	1		≥ 4.48
			2		≥ 4.48
		Indirect	1		4.72
			2		4.39
B	6ft	Direct	1	5.34	≥ 3.91
			2		≥ 3.91
		Indirect	1		≥ 3.91
			2		≥ 3.91
	14 Ft	Direct	1		≥ 3.91
			2		≥ 3.91
		Indirect	1		3.61
			2		4.15

≥ Denotes complete inactivation of virus

October 2020, Evaluation of Virucidal Efficacy by Tru-D's UV Device on a Surface – Severe Acute Respiratory Syndrome-Related Coronavirus 2 (SARS-CoV-2)