

TEST REPORT



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REPORT ON THE PROLONG EFFECT OF QUANTUMG™ QR-C SERIES DISINFECTANT SPRAY AGAINST SARS- COV-2 (COVID-19) AN IN-VITRO SUSPENSION ASSAY ACCORDING TO ASTM E1053 PROTOCOL

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EXECUTIVE SUMMARY

The QuantumG™ QR-C Series Disinfectant Spray, was evaluated for its prolonged virucidal activity against the SARS-CoV-2, the virus that caused the COVID-19 pandemic. The prolonged efficacy of QuantumG™ QR-C Series Disinfectant Spray against SARS-CoV-2 was tested by coating of Petri dishes for 24 hours followed by spreading of SARS-CoV-2 inoculum over the coated plates according to the ASTM E1053 protocol. All tests were performed in a Biocontainment Level III facility of the Tropical Infectious Diseases Research and Education Center (TIDREC), University of Malaya, Malaysia. All procedures strictly adhered to the biosafety procedures and approved protocols. The disinfectant spray when used to coat the petri dishes, retained $>4 \log_{10}$ virus titer reduction compared to the controls even after 24 hours post-spraying. This finding suggests that the QuantumG™ QR-C Series Disinfectant Spray, can kill 99.99% SARS-CoV-2 up to 24 hours post-application.