

College of Medicine, Seoul National University COVID-19 Test

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Summary of Verification Test

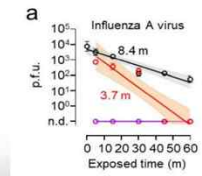
Evaluation of the inactivation efficacy of gaseous Chlorine Dioxide for Influenza A virus and SARS-CoV-2

Inhibition Efficacy toward Infectivity of Influenza virus

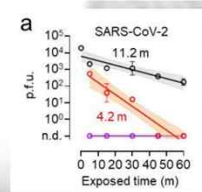
Whereas with Dr Clo activated, and spray the virus immediately inside the chamber, we detected virus with p.f.u./chamber infectivity, after 5 minutes, 15 minutes and 30 minutes, and got the result of, 560 ± 113 (94% decreased), 56 ± 57 (99% decreased), 16 ± 0 (99.8% decreased), and after 1 hour, there is no infective virus detected (picture 2).

Inhibition Efficacy toward SARS-CoV-2.

Whereas with Dr Clo activated, and spray the virus immediately inside the chamber, we detected virus with p.f.u./chamber infectivity after 5 minutes, 15 minutes and 30 minutes, and got the result of 740 ± 198 (92% decreased), 386 ± 178 (96% decreased), 198 ± 87 (98% decreased) respectively, and after 1 hour, there is no infective virus detected (picture 1).



Red: Experimental group, to spray virus in to the chamber with simultaneous installation of Dr Clo which was already activated for 16 hour, and collect the virus by time, Purple: Experimental group, to install Dr Clo, activated for 16 hours, into the chamber, then spray the viruses after 1 hour)



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