



BIOSAFETY UNIT
LABORATORY OF BIOLOGY

CERTIFICATE OF ANALYSIS

Date of Certification: 29/01/2021

Test Type: Air disinfection test

Instrument tested: TPA X5 by Airdog, Air Purifier

Model: KJ300F-X5, Serial No, BAKIT39A011028

Manufacturer: Anhui BeiAng Air Tech Ltd.

Test Time	Virus used	Aerosolized virus concentration (TCID ₅₀ /m ³) as measured in OFF mode	Aerosolized virus concentration (TCID ₅₀ /m ³) as measured in ON mode level 3	% reduction of titer
30 seconds	SARS-Cov2 B1 lineage	5.00x 10 ⁶	4.90x 10 ⁴ ± 2.5 x 10 ⁴	99.02

Methodology

Aerosolized virus using nebulizer in 0.17 m³ chamber

Measurement for 5 minutes on Vero E6 cells in 0.17 m³ chamber in ON and OFF mode (triplicate)

Incubation for 36 hours (37°C, 5% CO₂) and real-time RT-PCR quantification (SARS-Cov2 N, E)

Responsible for the analysis

Ioannis Karakasiliotis

Assistant Professor of Medical Biology – Molecular Virology

Department of Medicine, Democritus University of Thrace