

Photodynamic disinfection of SARS-CoV-2 clinical samples using a methylene blue formulation

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Supplementary Figures

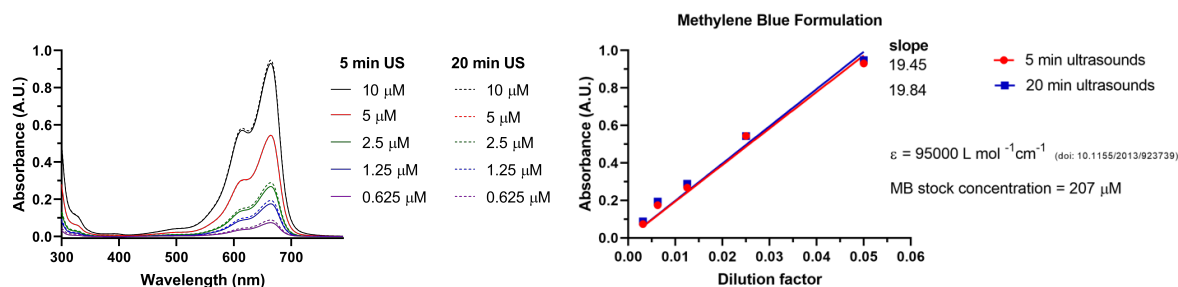


Figure S1. Absorption spectra of methylene blue in water prepared by dilution of the Ondine NF-031 formulation, according to the dilution factor in the plot. The freshly prepared solutions were initially exposed to ultrasounds for 5 min and then for additional 20 min, to ensure that dimer-monomer equilibrium is properly established.

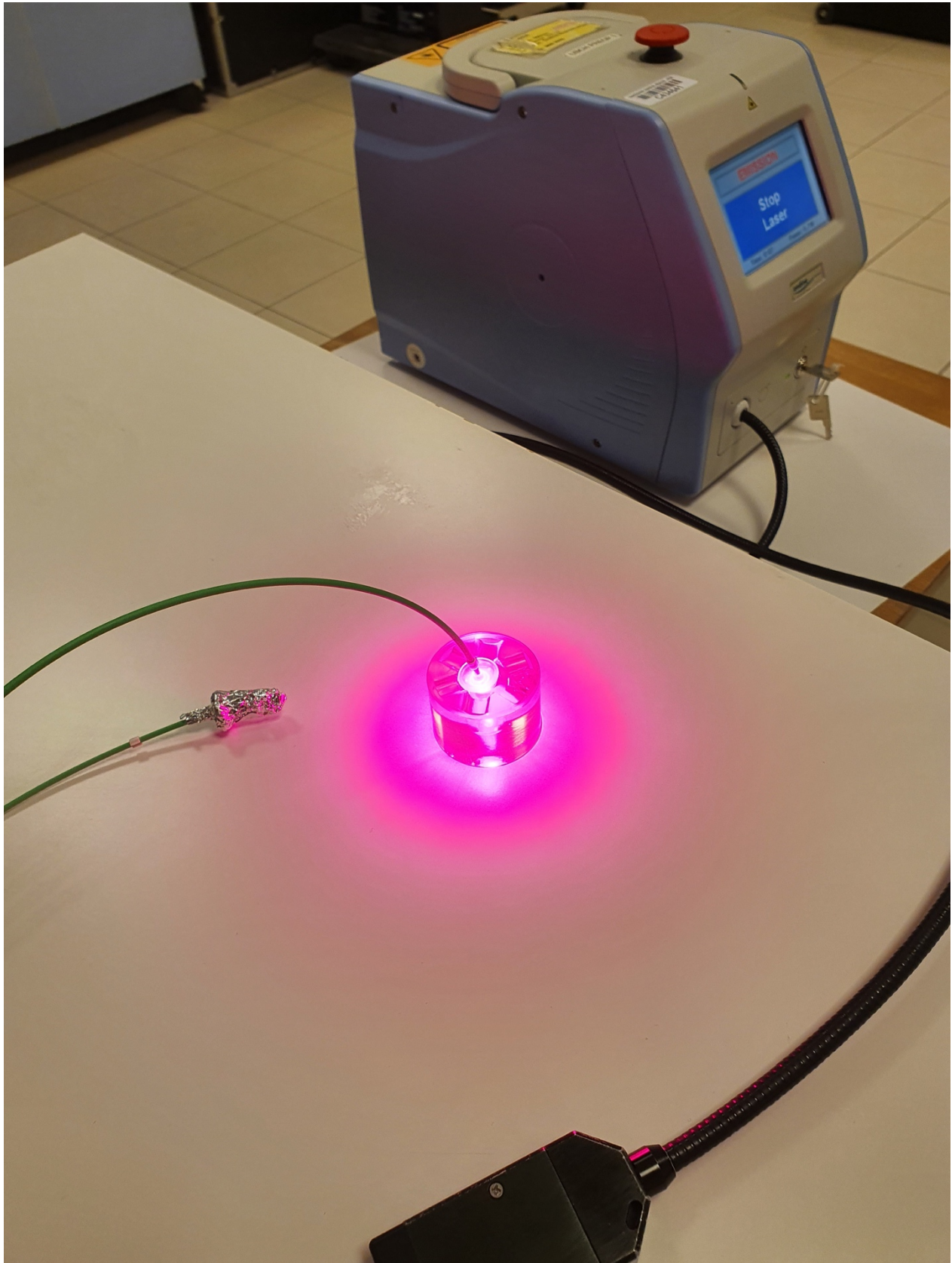


Figure S2. Nasal Light Illuminator Assembly (MRSAid/Steriwave Photodisinfection System) and container employed in the photodisinfection of clinical samples.

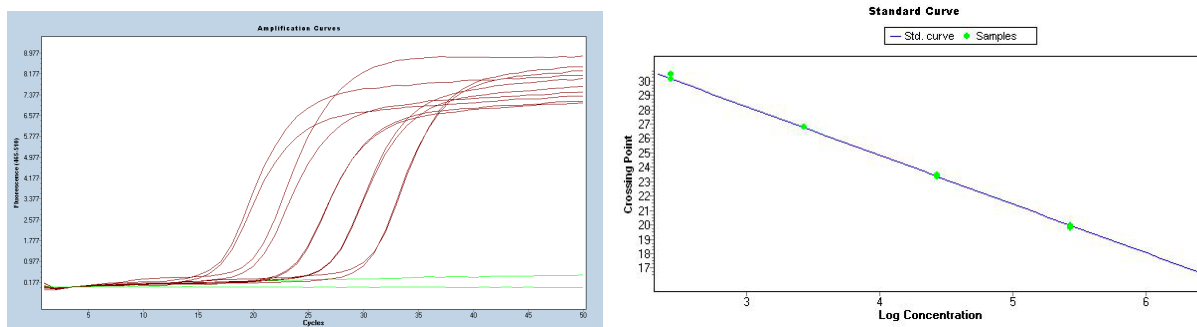


Figure S3. Typical RT-qPCR calibration curve used to determine the efficiency, linear range, and reproducibility of a qPCR assay.

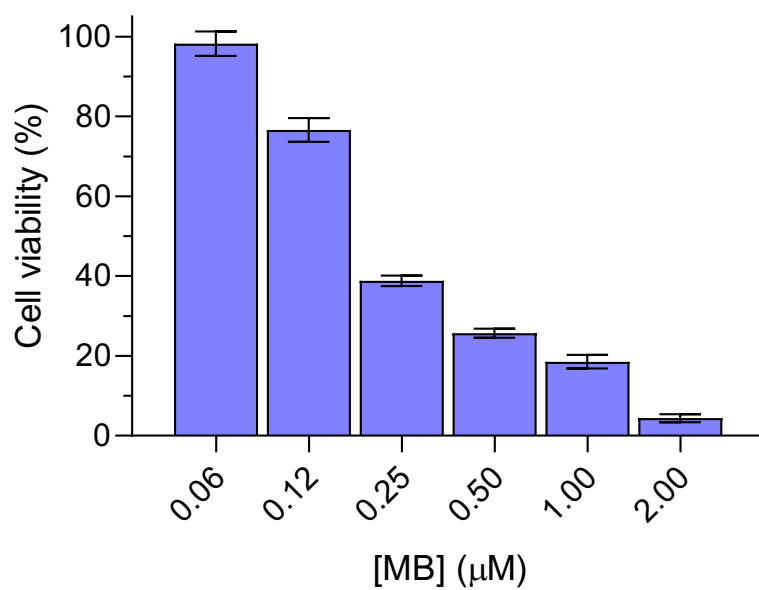


Figure S4. HEK-293T-hACE2 cells viability after 24 h of incubation with different MB concentrations in the dark. ($\text{IC}_{50} = 0.26 \mu\text{M}$)