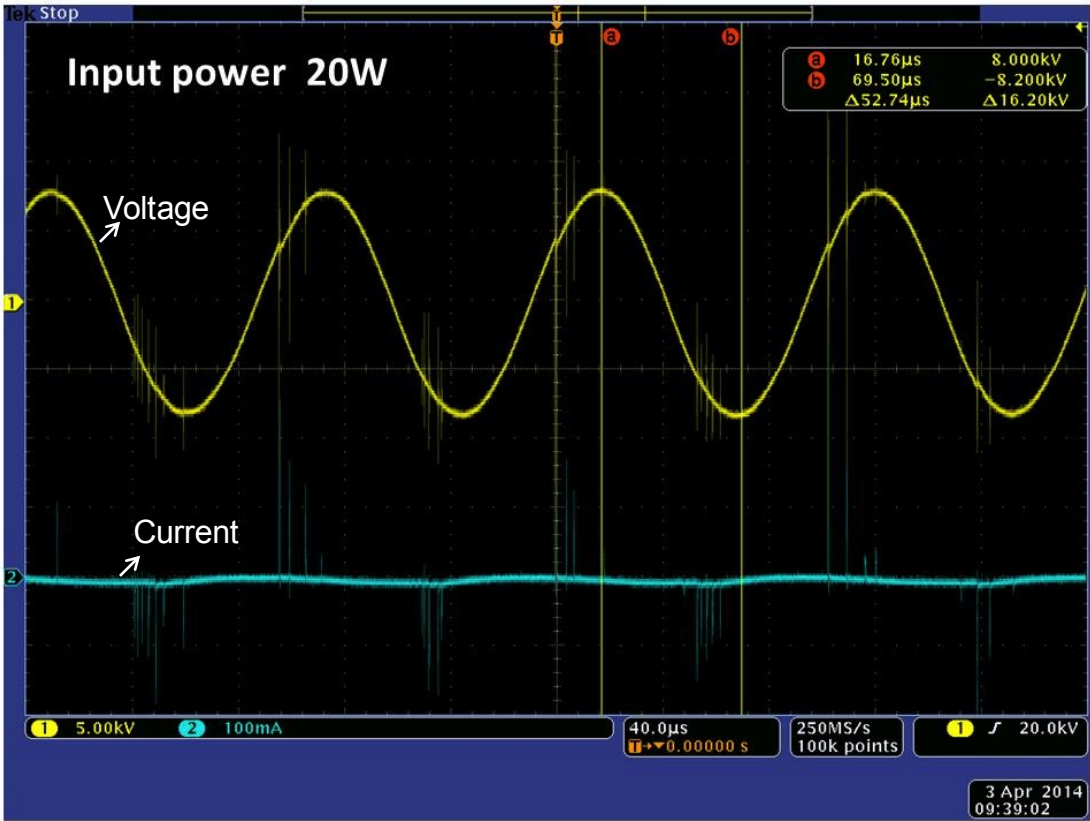


Supporting Information

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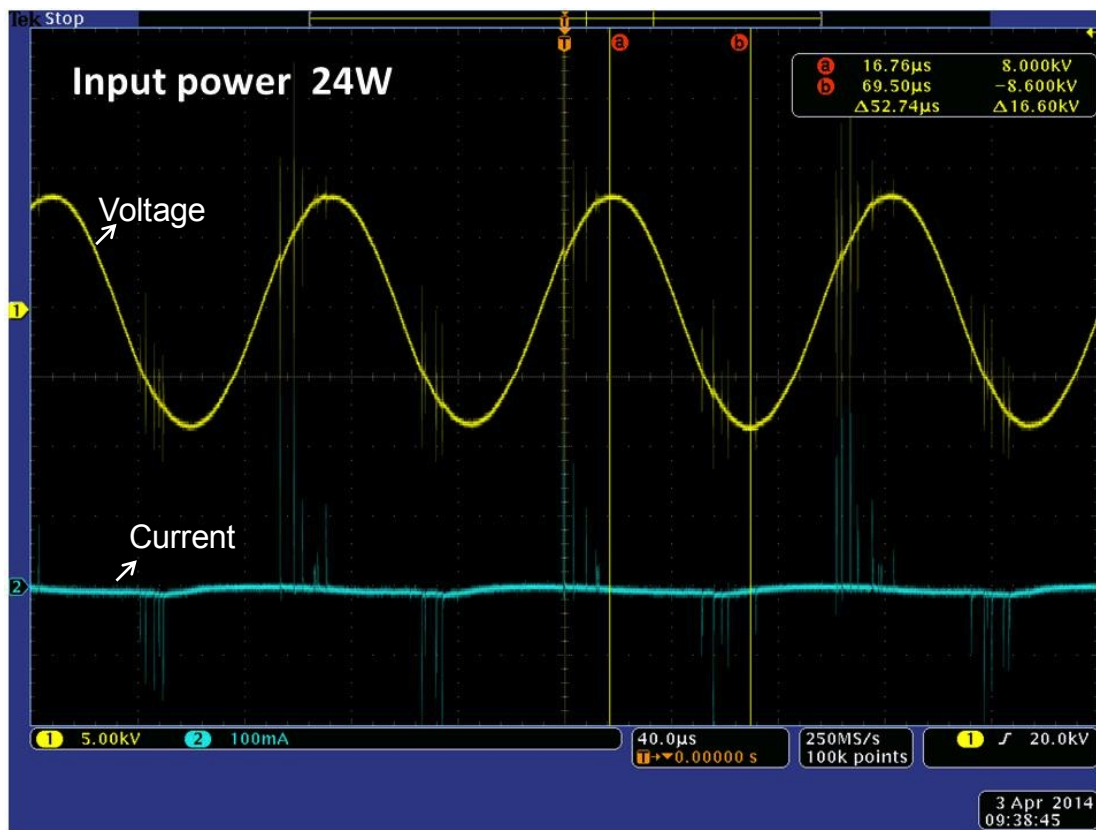


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10 **Fig S1** The waveforms of voltage and current ; plasma generation power:
11 20 Watts.

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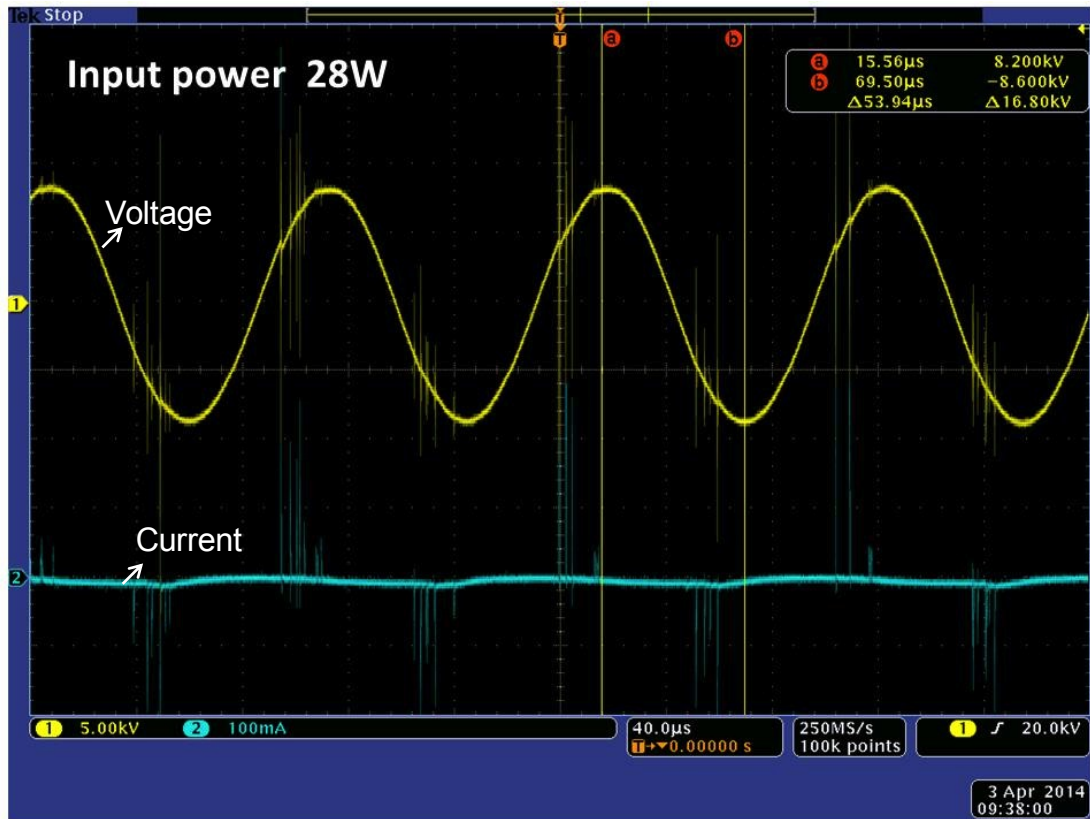


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33 **Fig S2** The waveforms of voltage and current; plasma generation
34 power: 24 Watts.

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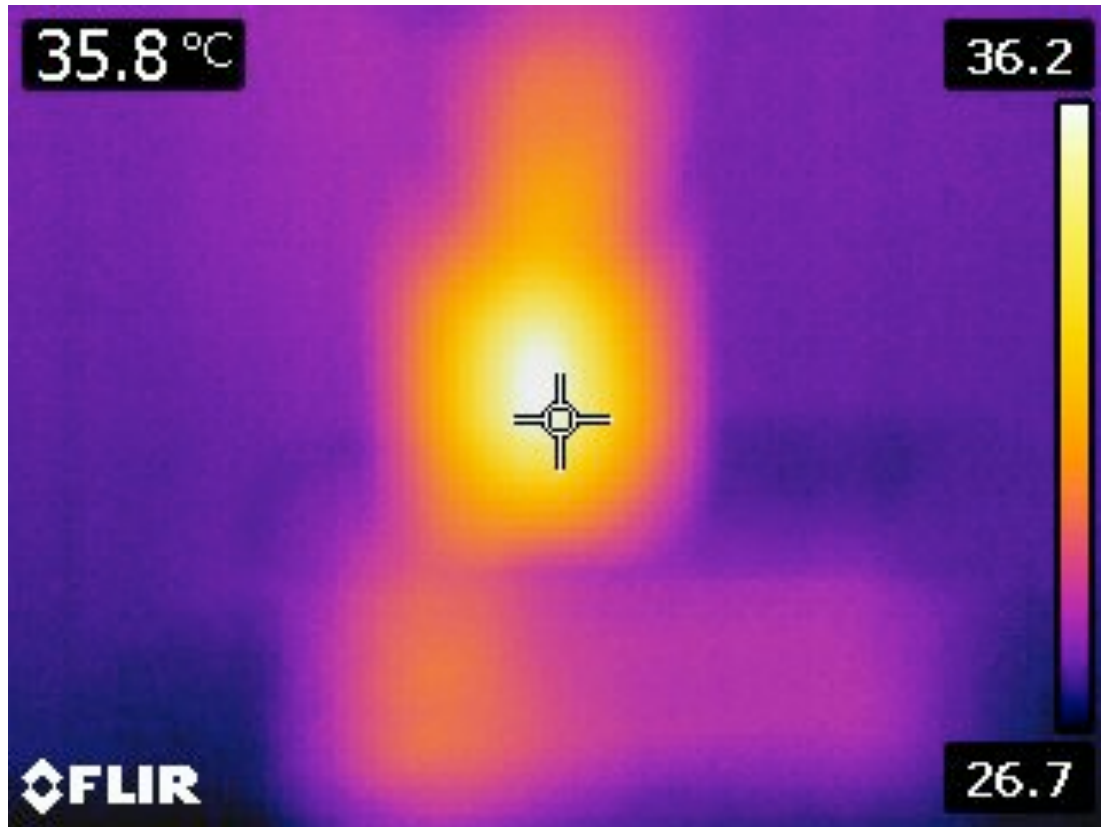


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55 **Fig S3** The waveforms of voltage and current; plasma generation
56 power: 28 Watts.

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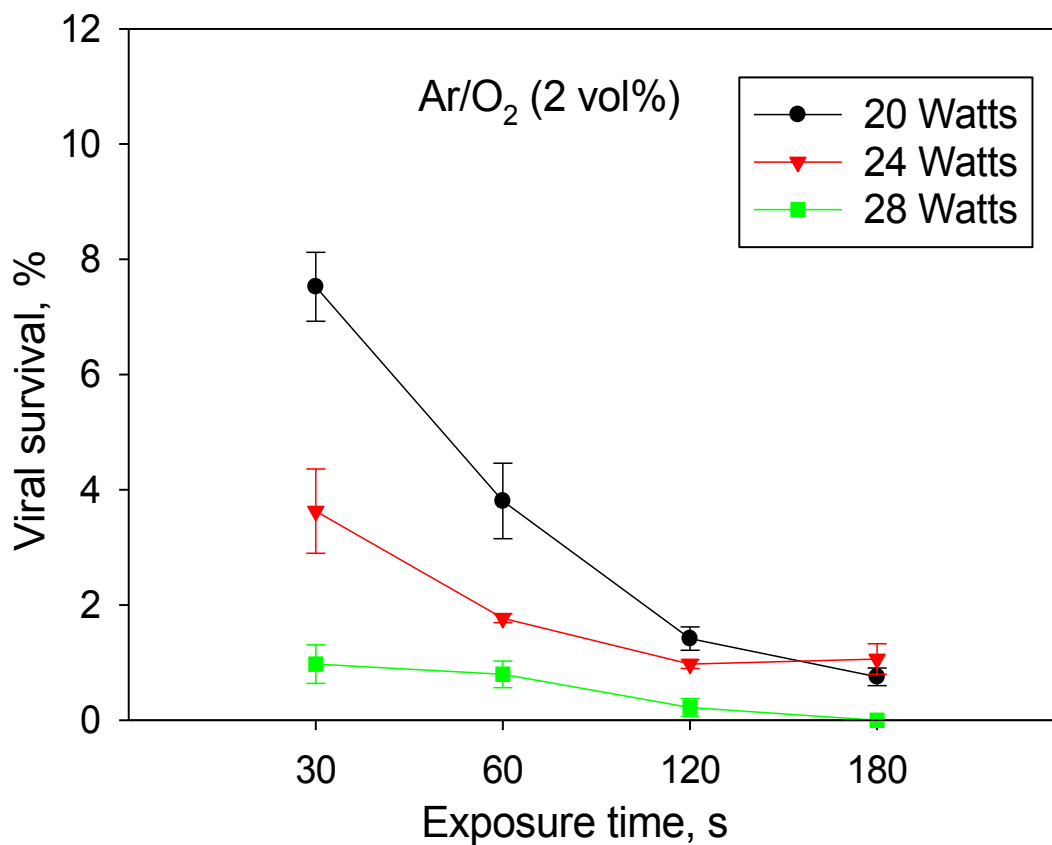
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Fig S4 Temperature profile measured using Thermal Imaging Infrared Cameras (FLIR Systems, Inc.) for the liquid suspension treated by micro-jet plasma generation device for inactivating liquid-borne MS2 viruses.

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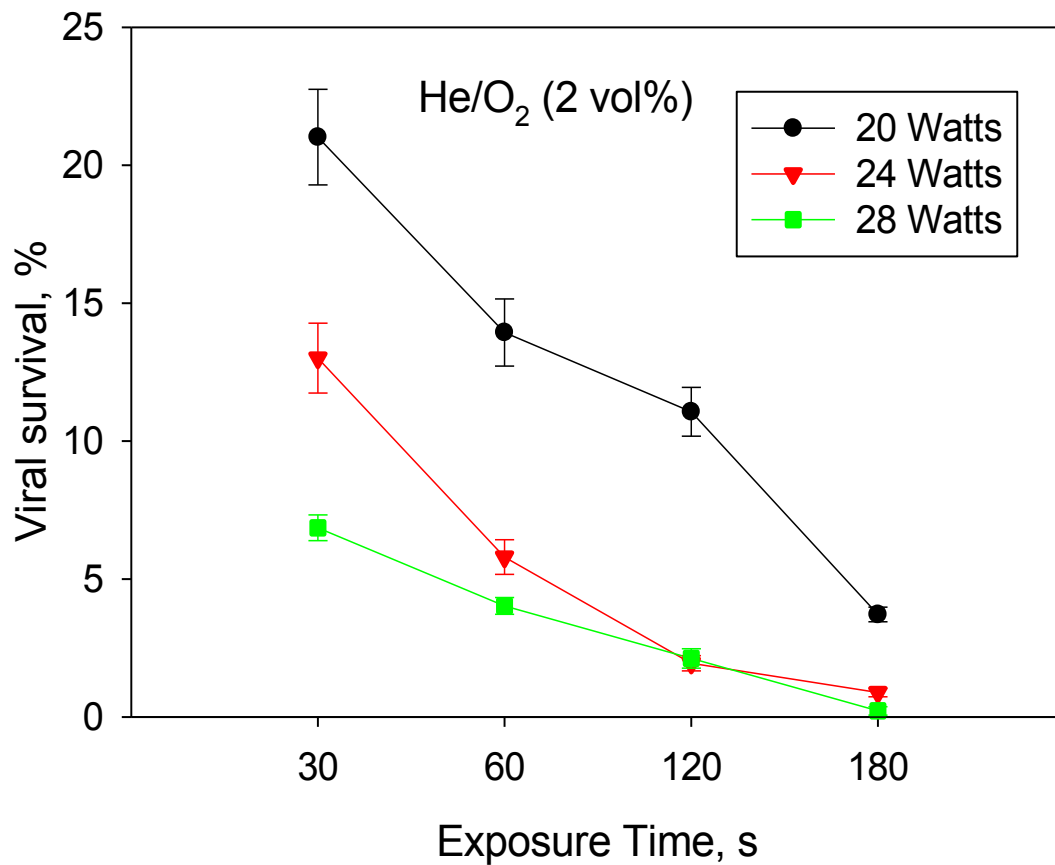
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95 **Fig S5** Survival of water-borne MS2 viruses as a function of the APCP
96 exposure time at different plasma generation power levels with Ar/O₂ (2
97 vol %) as a plasma gas carrier. Data points and error bars represent
98 respectively the averages and standard deviations from three
99 independent measurements.

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108 **Fig S6** Survival of water-borne MS2 viruses as a function of the APCP
109 exposure time at different energy levels with He/O₂ (2 vol %) as a plasma
110 gas carrier. Data points and error bars represent respectively the
111 averages and standard deviations from three independent
112 measurements.

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