

1 **SUPPLEMENTAL MATERIAL**

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3 **Improvement of biological indicators by using standardized *Bacillus subtilis* spore**
4 **monolayers for the evaluation of study of enhanced spore decontamination technologies**
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23 Running title: *Bacillus* spore monolayers for sterilization assurance
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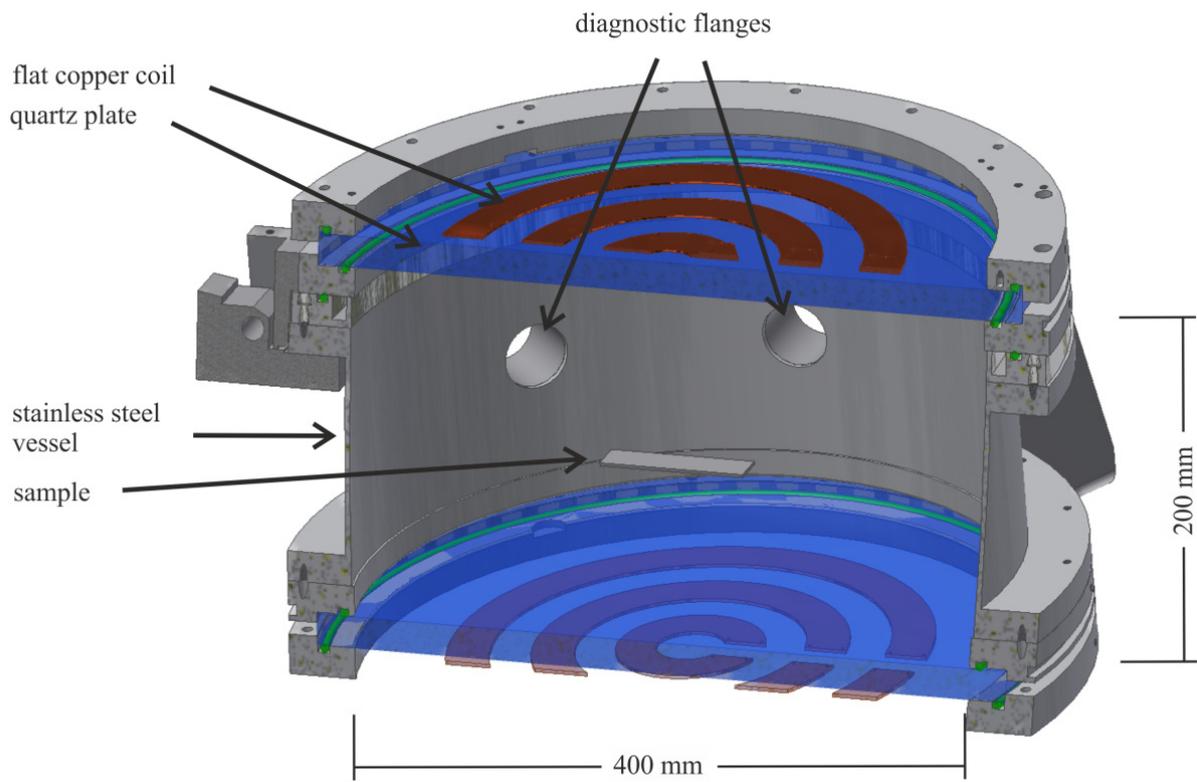
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44 **Figure S1** Sketch of the double inductively coupled plasma (DICP) setup employed for low
45 pressure plasma sterilization experiments.

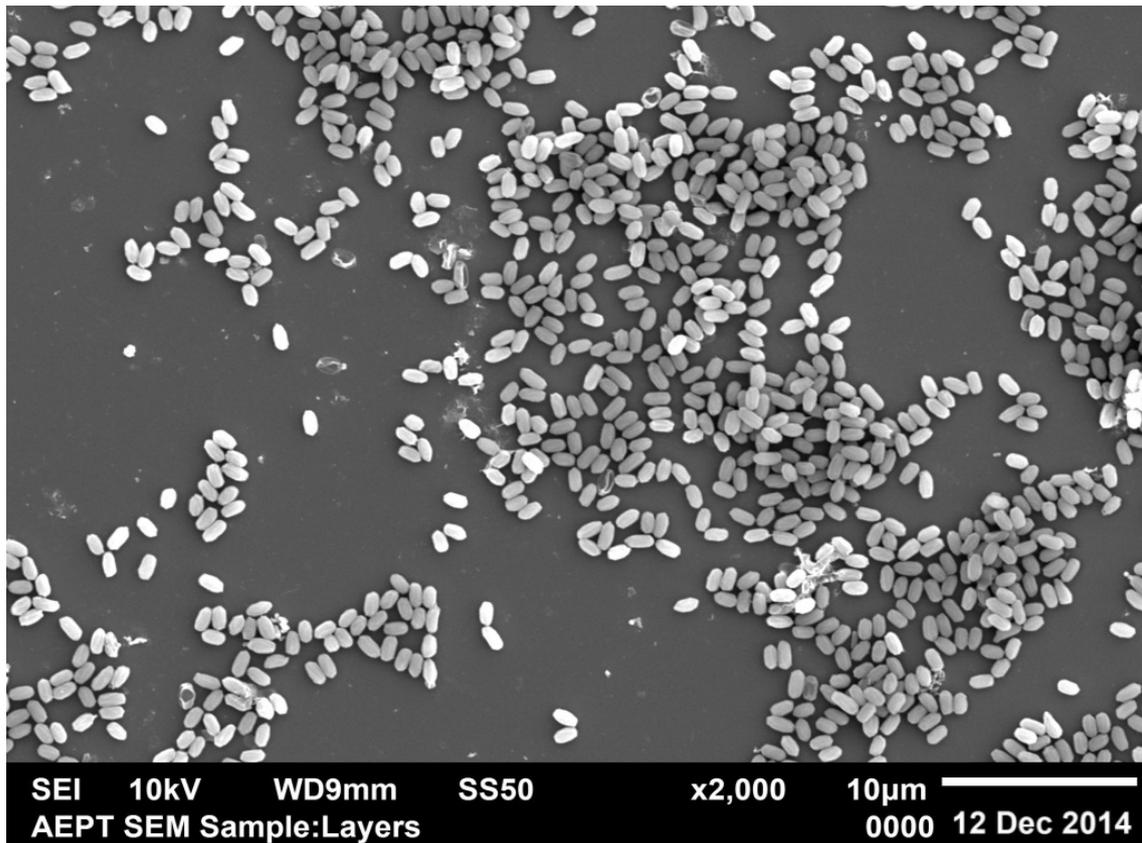
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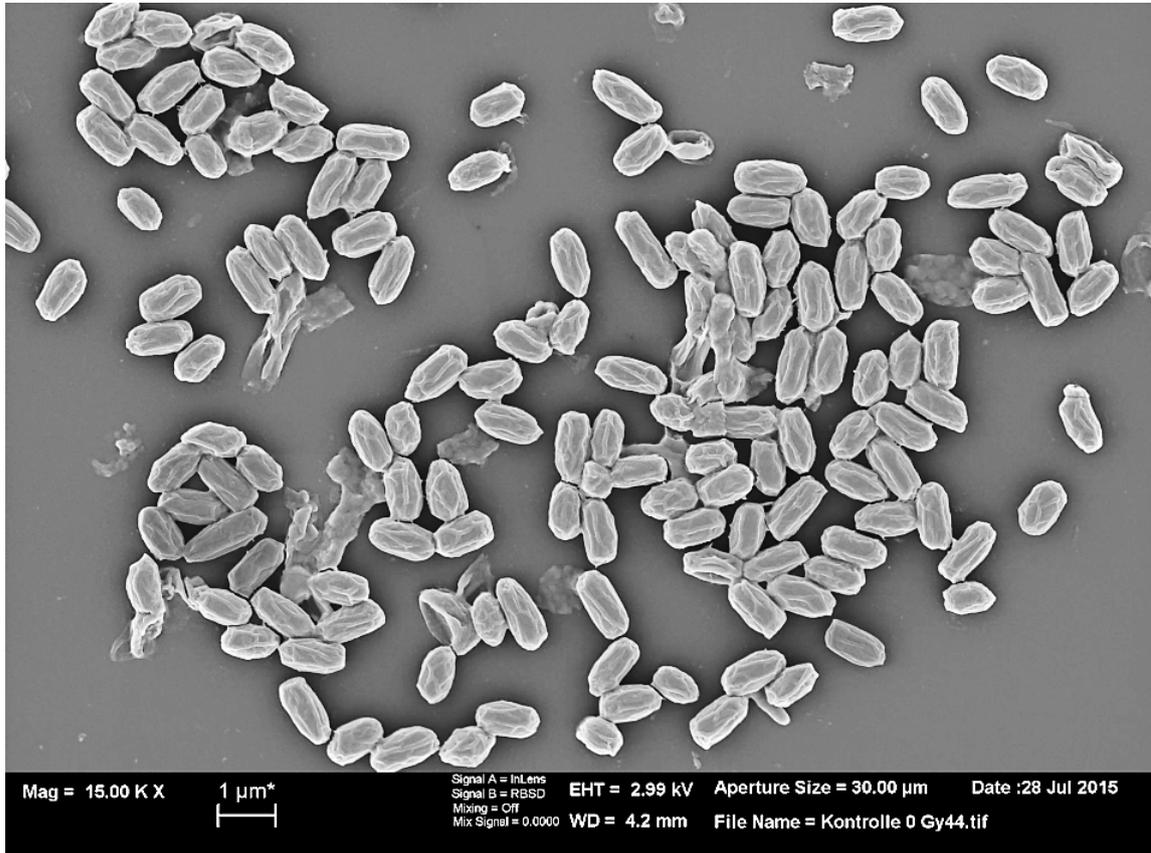
48 **Figure S2** Scanning electron microscopy (SEM) imaging of 2.5×10^8 *B. subtilis* 168 spores
49 deposited by repeated spray applications (5 spray volumes of 5×10^7 spores onto the same sample
50 carrier). Due to their increased density spores overlap slightly in two or more layers.

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52 **Figure S3** Scanning electron microscopy (SEM) imaging of *B. subtilis* 168 spores deposited by
53 spray inoculation on plastic ibidi- μ -dishes for live cell microscopy studies.

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76 **Movie S1** Live cell imaging of *B. subtilis* 168 spores deposited on ibidi-dishes by spray
77 inoculation. The spores germinated uniformly and proceeded to outgrowth and subsequent
78 vegetative doubling.