**Institutional review board statement, Informed consent statement & Biostatistics statement**

Title: Efficient management and maintenance of ultrasonic nebulizers to prevent microbial contamination

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Institutional review board statement: As this study only handles data regarding bacteria that are non-human subjects, ethical issues do not arise from this manuscript. Therefore, this study does not require the approvement by the review board.

Informed consent statement: As this study only handles data regarding bacteria, no informed consent is necessary for this manuscript.

Biostatistics statement: As the core part of this study has not used biomedical statistics, the statistical review by a biomedical statistician is not necessary for this manuscript.

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