Electronic Supplementary Material

Semi-automatic Instrumentation for the nucleic acid extraction and purification to quantify pathogen on the surface

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Fig. S1. Typical calibration curve for Real-Time PCR of (a) *Staphylococcus aureus*, (b) *Escherichia coli*, (c) Adenovirus.
Fig.S2. Design of cartridge for PCR compatible surface sampling tool.
Fig.S3. Morphological structures of various wipes by bright-field microscope image.
Fig. S4. Various surface measurements of lavatory for performance testing.
Fig.S5. Images of solution turbidity according to dust removal methods; After rinse: soak wipes in buffer 1 and rinse, After squeeze: soak wipes in buffer 1 and squeeze.