

SUPPLEMENTARY INFORMATION

EXPLORING TOILET PLUME BIOAEROSOL EXPOSURE DYNAMICS IN PUBLIC TOILETS USING A DESIGN OF EXPERIMENTS APPROACH.

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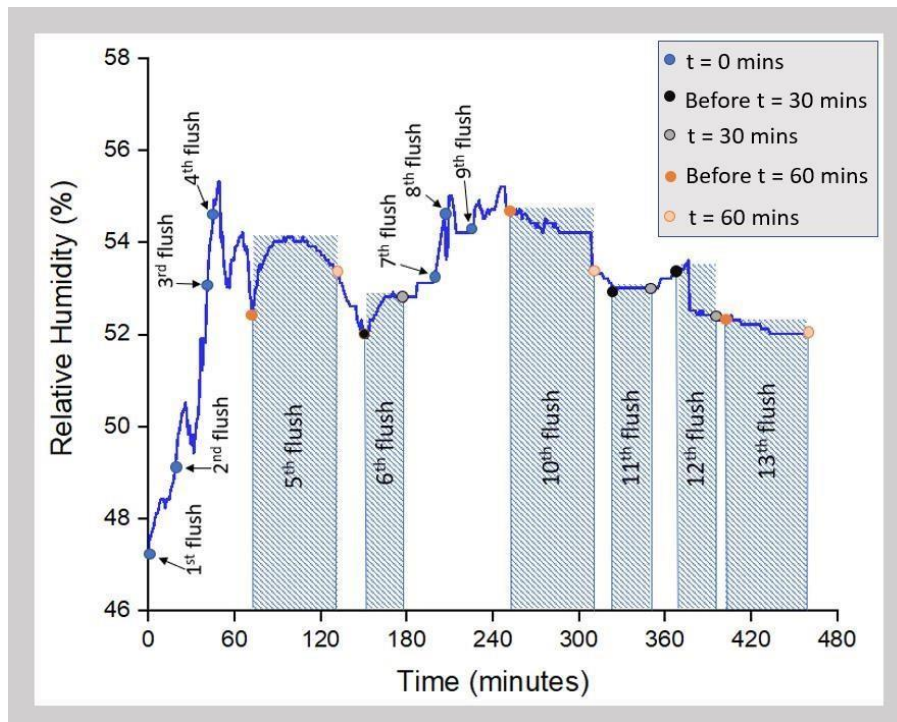
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Supplementary Table S1. Results of DoE screening design experiment

Factors	P- value
Inoculated bacterial concentration	<0.001
Time elapsed after flushing	0.010
Lateral distance	0.040
Mechanical ventilation	0.004
State of Lid	0.090

Supplementary Table S2. Results of full factorial analysis

Source	Sum of Squares	Degree of Freedom	Mean square	F Ratio	p-value (Prob >F)
Model	251399.42	10	25139.90	16.06	<0.0001
<i>C</i>	27664.96	1	27664.96	17.68	<0.0001
<i>t</i>	78380.31	1	78380.31	50.09	<0.0001
<i>d</i>	67290.07	1	67290.07	42.99	<0.0001
<i>v</i>	10646.16	1	10646.16	6.80	0.0114
<i>C</i> × <i>t</i>	20225.76	1	20225.76	12.92	0.0006
<i>C</i> × <i>d</i>	13825.67	1	13825.67	8.83	0.0042
<i>t</i> × <i>d</i>	54450.00	1	54450.00	34.79	<0.0001
<i>C</i> × <i>v</i>	4738.58	1	4738.58	3.03	0.0869
<i>t</i> × <i>v</i>	2688.89	1	2688.89	1.72	0.1948
<i>t</i> × <i>v</i>	2222.22	1	2222.22	1.42	0.2380
Pure error	3133.33	48	65.28		
Lack of fit	92328.36	13	7102.18	108.80	<0.0001



Supplementary Figure S1. Changes in relative humidity levels over time after randomised flushing.