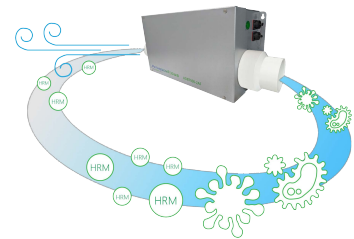


Cold Storage

Air Disinfection Biosecurity



Pre-treatment Air Samples - 04/20/2016

Air Sample Location	# Samples	Avg cfu/m ³	% Difference
PC-1	4	5,530	-
PC-2	4	5,260	-
Outside (<i>untreated</i>)	2	6,960	-

Species	Raw Count	Species	Raw Count
<i>Pseudomonas</i> spp	9,125	<i>Penicillium brevicompactum</i>	3,334
<i>Stachybotrys chartarum</i> (atra)	8,051	<i>Cladosporium</i>	2,010
<i>Cladosporium sphaerospermum</i>	7,001	<i>Alternaria</i> spp	1,725
<i>Penicillium purpurogenum</i>	6,446	<i>Epicoccum</i> spp	905
<i>Botrytis</i> spp	4,349	<i>Basidiospores</i> spp	216



In-treatment Air Samples - 05/29/2016

Air Sample Location	# Samples	Avg cfu/m ³	% Difference
PC-1	4	110	98.0
PC-2	4	140	97.3
Outside (<i>untreated</i>)	2	2,420	65.3

Species	Raw Count	Species	Raw Count
<i>Pseudomonas</i> spp	50	<i>Penicillium brevicompactum</i>	< 5
<i>Stachybotrys chartarum</i> (atra)	33	<i>Cladosporium</i>	< 5
<i>Cladosporium sphaerospermum</i>	22	<i>Alternaria</i> spp	< 5
<i>Penicillium purpurogenum</i>	10	<i>Epicoccum</i> spp	< 5
<i>Botrytis</i> spp	< 5	<i>Basidiospores</i> spp	< 5



Sampled areas showed a **98.0% and 97.3% reduction** in air-borne organisms. Air quality is now considered marginal. Ongoing treatment will continue to decrease the bioburden to acceptable levels.

Target Air Quality

- Air quality scale for workplaces, public buildings, schools, and homes are as follows:
- < 100 cfu/m³ is considered clean and acceptable.
 - 100 to 300 cfu/m³ is marginal.
 - > 300 cfu/m³ is not acceptable and needs corrective action.

