



PERFORMANCE IN THE FIELD

CASE STUDY

October 2021
Long Island, NY

OVERVIEW

This case study highlights a simple remediation job in an unfinished basement. Relying on two of our solutions, two technicians with common remediation equipment and minimal PPE completed the job in under a day.

This unfinished basement was first treated with RE-Hydro to remove surface mold and organic staining. Finally, the space was fogged with DE-Mold to eradicate mold and sanitize the indoor air.

All of this work was performed without disruption to the family while they went about their day to day in the living areas of the home.

SOLUTIONS USED

DE-MOLD Plant-based biological fog

RE-HYDRO Hydrogen Peroxide heavy duty surface cleaner



3/4 Day to complete work

2 Technicians performing work

2 Solutions used for remediation

RESULTS

Organism	Pre Counts	Post Counts	Reduction
Aspergillus / Penicillium	86,016	768	99.1%
Cladosporium	307	None Detected	100%
Myxomycetes / Smut	307	None Detected	100%
Stachybotrys	154	None Detected	100%
Total Spore	87,347	973	98.9%
Hyphal Fragment	205	None Detected	100%

Property/Customer Name				Site Street Address				Site City				Site State				Site Zip			
								Roslyn				NY				11576			
Company Email				Company Phone Number				Date Collected				Date Received							
andre@benardbuildinginspections.com				(203) 676-8969				10/19/2021				10/20/2021							
Company Address				Company Name				Sample Collected by				Date Analyzed							
35 Walnut Street, Central Islip, NY 11722				Benard Building Inspections LLC								10/20/2021							
Newton ML Sample ID		CAE20211020007S001AS		CAE20211020007S002AS		CAE20211020007S003AS													
Sample Name/Location		Control		Left Basement		Right Basement													
Volume (L)		75		75		75													
Background		2		3		3													
Analytical Sensitivity (Cts/M³)		51		51		51													
Cassette Type		Air-O-Cell®		Air-O-Cell®		Air-O-Cell®													
Sample Type		Spore Trap		Spore Trap		Spore Trap													
Organism	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total										
Alternaria	Not Detected			Not Detected			Not Detected												
Ascospores	229	11,725	87.74%	7	358	0.41%	10	512	0.91%										
Aspergillus Penicillium	10	512	3.83%	1,680	86,016	98.48%	1,076	55,091	98.09%										
Basidiospores	17	870	6.51%	2	102	0.12%	4	205	0.36%										
Bipolaris Drechslera	Not Detected			Not Detected			Not Detected												
Chaetomium	Not Detected			1	51	0.06%	Not Detected												
Cladosporium	1	51	0.38%	6	307	0.35%	1	51	0.09%										
Curvularia	Not Detected			Not Detected			Not Detected												
Epicoccum	Not Detected			Not Detected			Not Detected												
Fusarium	Not Detected			Not Detected			Not Detected												
Memnoniella	Not Detected			Not Detected			Not Detected												
Myxomycetes Smuts	4	205	1.53%	6	307	0.35%	3	154	0.27%										
Pithomyces	Not Detected			Not Detected			1	51	0.09%										
Stachybotrys	Not Detected			3	154	0.18%	1	51	0.09%										
Stemphylium	Not Detected			Not Detected			Not Detected												
Torula	Not Detected			Not Detected			Not Detected												
Trichoderma	Not Detected			Not Detected			Not Detected												
Ulocladium	Not Detected			Not Detected			Not Detected												
Unspecified Spore	Not Detected			1	51	0.06%	1	51	0.09%										
Total	261	13,363	100.00%	1,706	87,347	100.00%	1,097	56,166	100.00%										
Hyphal Fragment	Not Detected		-	4	205	-	3	154	-										
Comments																			

Property/Customer Name				Site Street Address				Site City				Site State				Site Zip			
								Roslyn				NY				111576			
Company Email				Company Phone Number				Date Collected				Date Received							
andre@benardbuildinginspections.com				(203) 676-8969				11/4/2021				11/05/2021							
Company Address				Company Name				Sample Collected by				Date Analyzed							
35 Walnut Street, Central Islip, NY 11722				Benard Building Inspections LLC								11/05/2021							
Newton ML Sample ID		CAE20211105014S001AS		CAE20211105014S002AS		CAE20211105014S003AS													
Sample Name/Location		Control		Left Basement		Right Basement													
Volume (L)		75		75		75													
Background		2		2		2													
Analytical Sensitivity (Cts/M³)		51		51		51													
Cassette Type		Air-O-Cell®		Air-O-Cell®		Air-O-Cell®													
Sample Type		Spore Trap		Spore Trap		Spore Trap													
Organism	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total										
Alternaria	Not Detected			Not Detected			Not Detected												
Ascospores	58	2,970	57.43%	4	205	21.05%	6	307	37.50%										
Aspergillus Penicillium	9	461	8.91%	15	768	78.95%	6	307	37.50%										
Basidiospores	13	666	12.87%	Not Detected			2	102	12.50%										
Bipolaris Drechslera	Not Detected			Not Detected			Not Detected												
Chaetomium	Not Detected			Not Detected			Not Detected												
Cladosporium	19	973	18.81%	Not Detected			2	102	12.50%										
Curvularia	Not Detected			Not Detected			Not Detected												
Epicoccum	Not Detected			Not Detected			Not Detected												
Fusarium	Not Detected			Not Detected			Not Detected												
Memnoniella	Not Detected			Not Detected			Not Detected												
Myxomycetes Smuts	2	102	1.98%	Not Detected			Not Detected												
Pithomyces	Not Detected			Not Detected			Not Detected												
Stachybotrys	Not Detected			Not Detected			Not Detected												
Stemphylium	Not Detected			Not Detected			Not Detected												
Torula	Not Detected			Not Detected			Not Detected												
Trichoderma	Not Detected			Not Detected			Not Detected												
Ulocladium	Not Detected			Not Detected			Not Detected												
Unspecified Spore	Not Detected			Not Detected			Not Detected												
Total	101	5,171	100.00%	19	973	100.00%	16	819	100.00%										
Hyphal Fragment	3	154	-	Not Detected		-	Not Detected		-										
Comments																			