



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 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 / Penicilium	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		
[REDACTED]				[REDACTED]			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			[REDACTED]			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/M ³)				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/M ³	% of Total	Counted	Cts/M ³	% of Total	Counted	Cts/M ³	% 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		
[REDACTED]				[REDACTED]			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			[REDACTED]			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/M ³)				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/M ³	% of Total	Counted	Cts/M ³	% of Total	Counted	Cts/M ³	% 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															