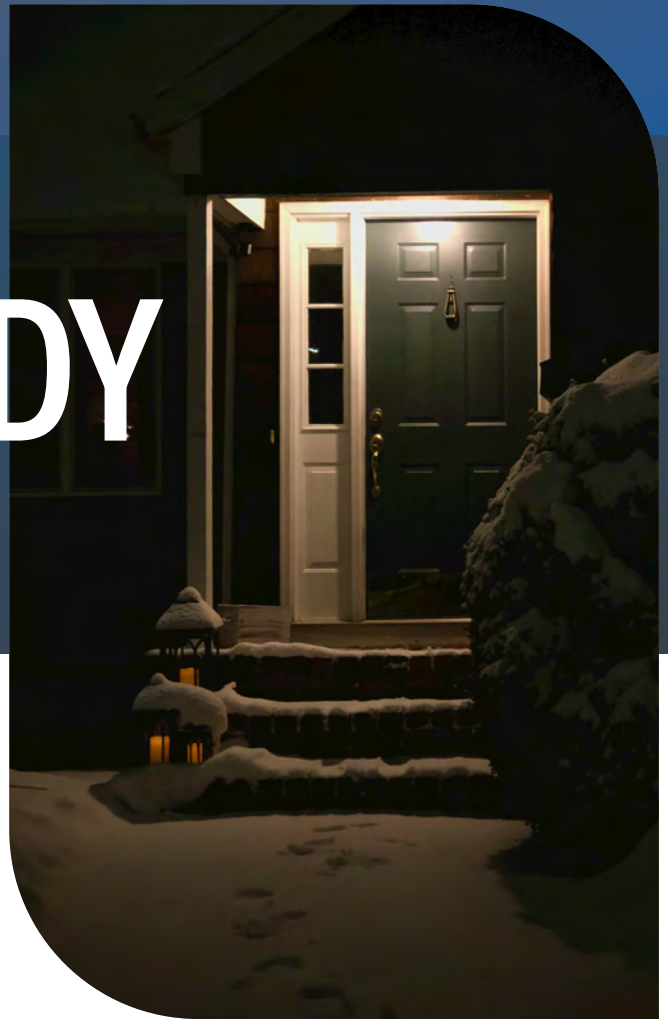




PERFORMANCE IN THE FIELD

# CASE STUDY

February 2024  
Central, Connecticut



## OVERVIEW

This case study highlights a simple remediation job in a finished basement and adjacent crawlspace with exterior mold and basement mold contributing to elevated levels throughout the home. Relying on two of our solutions, two technicians completed the job in one full day.

This finished basement was HEPA vacuumed where applicable as well as the unfinished crawlspace to remove 3D growth from surfaces while a single air scrubber was running in the space. RE-Hydro was applied to deep clean and remove staining from unfinished surfaces. Finally, both spaces were fogged with DE-Mold to eradicate mold and sanitize the air.

## SOLUTIONS USED

- **DE-MOLD** Plant-based biological fog
- **RE-HYDRO** Hydrogen Peroxide heavy duty surface cleaner

- 1 Day to complete work
- 2 Technicians performing work
- 2 Solutions used for remediation

## RESULTS

Organism	Pre Counts	Post Counts	Reduction
Aspergillus / Penicilium	36,864	1,485	96.0%
Chaetomium	614	None Detected	100%
Cladosporium	652,800	154	99.9%
Stachybotrys	5,069	None Detected	100%
Total Spore	695.552	2,304	99.7%
Hyphal Fragment	1,126	51	95.5%



Property/Customer Name				Site Street Address				Site City				Site State				Site Zip			
[Redacted]				[Redacted]				Simsbury				CT				06070			
Company Email				Company Phone Number				Date Collected				Date Received							
[Redacted]				[Redacted]				12/27/2023				12/28/2023							
Company Address				Company Name				Sample Collected by				Date Analyzed							
[Redacted]				Sherwood Inspection Services				[Redacted]				12/28/2023							
Newton ML Sample ID	CAE20231228006RA001			CAE20231228006RA002	CAE20231228006RA003			CAE20231228006RA004											
Sample Name/Location	Exterior			Living Room			Basement			Playroom									
Volume (L)	75			75			75			75									
Background	1			3			4			3									
Analytical Sensitivity (Cts/M <sup>3</sup> )	51			51			51			51									
Cassette Type	Air-O-Cell®			Air-O-Cell®			Air-O-Cell®			Air-O-Cell®									
Sample Type	Spore Trap			Spore Trap			Spore Trap			Spore Trap									
Organism	Counted	Cts/M <sup>3</sup>	% of Total	Counted	Cts/M <sup>3</sup>	% of Total	Counted	Cts/M <sup>3</sup>	% of Total	Counted	Cts/M <sup>3</sup>	% of Total							
Alternaria	Not Detected			Not Detected			Not Detected			Not Detected									
Ascospores	5	256	0.86%	8	410	14.04%	1	51	0.01%	12	614	22.22%							
Aspergillus   Penicillium	4	205	0.69%	20	1,024	35.09%	720	36,864	5.30%	18	922	33.33%							
Basidiospores	570	29,184	97.77%	19	973	33.33%	1	51	0.01%	7	358	12.96%							
Bipolaris   Drechslera	Not Detected			Not Detected			Not Detected			Not Detected									
Chaetomium	Not Detected			Not Detected			12	614	0.09%	Not Detected									
Cladosporium	4	205	0.69%	7	358	12.28%	12,750	652,800	93.85%	13	666	24.07%							
Curvularia	Not Detected			Not Detected			Not Detected			Not Detected									
Epicoccum	Not Detected			Not Detected			Not Detected			Not Detected									
Fusarium	Not Detected			Not Detected			Not Detected			Not Detected									
Memnoniella	Not Detected			Not Detected			Not Detected			Not Detected									
Myxomycetes   Smuts	Not Detected			3	154	5.26%	Not Detected			4	205	7.41%							
Pithomyces	Not Detected			Not Detected			Not Detected			Not Detected									
Stachybotrys	Not Detected			Not Detected			99	5,069	0.73%	Not Detected									
Stemphylium	Not Detected			Not Detected			Not Detected			Not Detected									
Torula	Not Detected			Not Detected			Not Detected			Not Detected									
Trichoderma	Not Detected			Not Detected			Not Detected			Not Detected									
Ulocladium	Not Detected			Not Detected			Not Detected			Not Detected									
Unspecified Spore	Not Detected			Not Detected			2	102	0.01%	Not Detected									
Total	583	29,850	100.00%	57	2,918	100.00%	13,585	695,552	100.00%	54	2,765	100.00%							
Hypal Fragment	Not Detected		-	1	51	-	22	1,126	-	Not Detected		-							
Comments																			



Property/Customer Name			Site Street Address			Site City			Site State			Site Zip			
[Redacted]			[Redacted]			Simsbury			CT			06070			
Company Email			Company Phone Number			Date Collected			Date Received						
[Redacted]			[Redacted]			2/16/2024			02/19/2024						
Company Address			Company Name			Sample Collected by			Date Analyzed						
[Redacted]			Sherwood Inspection Services			[Redacted]			02/19/2024						
Newton ML Sample ID	CAE202402190060A001			CAE202402190060A002			CAE202402190060A003			CAE202402190060A004					
Sample Name/Location	Office - Control			Family Room			Playroom			Basement					
Volume (L)	75			75			75			75					
Background	2			3			3			3					
Analytical Sensitivity (Cts/M <sup>3</sup> )	51			51			51			51					
Cassette Type	Air-O-Cell®			Air-O-Cell®			Air-O-Cell®			Air-O-Cell®					
Sample Type	Spore Trap			Spore Trap			Spore Trap			Spore Trap					
Organism	Counted	Cts/M <sup>3</sup>	% of Total	Counted	Cts/M <sup>3</sup>	% of Total	Counted	Cts/M <sup>3</sup>	% of Total	Counted	Cts/M <sup>3</sup>	% of Total	Counted	Cts/M <sup>3</sup>	% of Total
Alternaria	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Ascospores	13	666	28.89%	10	512	24.39%	15	768	29.41%	6	307	13.33%	6	307	13.33%
Aspergillus Penicillium	13	666	28.89%	13	666	31.71%	22	1,126	43.14%	29	1,485	64.44%	29	1,485	64.44%
Basidiospores	11	563	24.44%	12	614	29.27%	9	461	17.65%	7	358	15.56%	7	358	15.56%
Bipolaris Drechslera	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Chaetomium	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Cladosporium	7	358	15.56%	5	256	12.20%	4	205	7.84%	3	154	6.67%	3	154	6.67%
Curvularia	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Epicoccum	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Fusarium	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Memmoniella	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Myxomycetes Smuts	1	51	2.22%	1	51	2.44%	1	51	1.96%	1	51	1.96%	1	51	1.96%
Pithomyces	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Stachybotrys	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Stemphylium	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Torula	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Trichoderma	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Ulocladium	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Unspecified Spore	Not Detected			Not Detected			Not Detected			Not Detected			Not Detected		
Total	45	2,304	100.00%	41	2,099	100.00%	51	2,611	100.00%	45	2,304	100.00%	45	2,304	100.00%
Hyphal Fragment	1	51	-	3	154	-	1	51	-	1	51	-	1	51	-
Comments															