



Micro Diagnostic Services, LLC
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 Lewiston, ME 04240
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Client: Air Quality Management, Inc.
 Project: 17-039 Manchester
 WO: 011917B
 Medium: Air-O-Cell

Received: 1/19/2017
 Reported: 1/22/2017

Airborne Fungal Spore Analysis by Direct Optical Microscopy

Lab Number:	011917B -1			011917B -2			011917B -3			011917B -4		
Sample Description:	A1 Outdoor			A2 Collins Classroom			A3 - Hall out Grades 2 & 4			A4 Mitchell Classroom		
Air Volume Sampled (L):	75			75			75			75		
Detection Limit (Ct./m3):	50			50			50			50		
Background (0-5):	1			3			3			4		
Spore Genus/Category	Raw Ct	Ct./m ³	%	Raw Ct	Ct./m ³	%	Raw Ct	Ct./m ³	%	Raw Ct	Ct./m ³	%
Alternaria												
Ascospores				1	50	5	1	50	17	3	150	10
Aspergillus/Penicillium-like				2	100	10	1	50	17	7	350	23
Basidiospores	3	150	75	11	550	55	3	150	50	15	750	48
Bipolarus++												
Bispora												
Chaetomium												
Cladosporium				3	150	15				2	100	6
Curvularia				1	50	5						
Epicoccum												
Fusarium												
Memnoniella*												
Pithomyces												
Rhizopus												
Rusts												
Myxomycetes++				1	50	5	1	50	17	1	50	3
Stachybotrys*												
Stemphilium												
Torula												
Trichoderma												
Ulocladium												
Other Colorless												
Hyphal Fragments	1	50	25	1	50	5				3	150	10
Total Fungi	4	200	100	20	1,000	100	6	300	100	31	1,550	100

Comment:


Note: Values may not appear to be additive due to rounding; detection limit may be reduced in some samples by background interference.

Bipolaris++ = Bipolarus/Dreschlera/Exserohilium; Myxomycetes++ = Smuts/Myxomycetes/Periconia

*Minimum detection limit may be less for certain spore types (e.g. Stachybotrys species), for which 100% of the sample trace is analyzed.

Debris Rating Scale: 0 = No trace visible; 5 = Contiguous debris. Background debris levels greater than 3 indicate poor visibility for the analyst reading the slide, which can result in under-counting of some types of spores, particularly smaller spores such as Aspergillus/Penicillium-like.

Disclaimer: Micro Diagnostic Services (MDS) is not responsible for limitations of sampling or analytical methodologies. Client is responsible for all sample collection activities including labeling of samples and proper submission of sample information on the Service Request Record form. Interpretation of data contained in this report is the responsibility of the Client. This report relates only to the samples contained herein and may not be reproduced, except in full, without written approval by MDS. In all cases, MDS maintains liability limited to the analytical fees charged by MDS for analysis. Use of this report or data contained herein by any party implies acceptance of these terms.

Analyst: 
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Lab Number:	011917B -5			011917B -6			011917B -7			011917B -8		
Sample Description:	A5 - Hall out Grades 4 & 5			A6 Henry Classroom			A7 Galletta Classroom			A8 Stage		
Air Volume Sampled (L):	75			75			75			75		
Detection Limit (Ct./m3):	50			50			50			50		
Background (0-5):	2			3			3			3 / 4		
Spore Genus/Category	Raw Ct	Ct./m ³	%	Raw Ct	Ct./m ³	%	Raw Ct	Ct./m ³	%	Raw Ct	Ct./m ³	%
Alternaria				1	50	7				1	50	3
Ascospores	1	50	20				2	100	29			
Aspergillus/Penicillium-like	1	50	20	5	250	36	1	50	14	1	50	3
Basidiospores	2	100	40	4	200	29	2	100	29	34	1,710	90
Bipolarus++												
Bispora				1	50	7						
Chaetomium												
Cladosporium							1	50	14			
Curvularia												
Epicoccum												
Fusarium												
Memnoniella*												
Pithomyces												
Rhizopus												
Rusts												
Myxomycetes++	1	50	20	1	50	7	1	50	14	1	50	3
Stachybotrys*												
Stemphilium												
Torula												
Trichoderma												
Ulocladium												
Other Colorless												
Hyphal Fragments				2	100	14				1	50	3
Total Fungi	5	250	100	14	700	100	7	350	100	38	1,910	100

Comment:


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Airborne Fungal Spore Analysis by Direct Optical Microscopy

Lab Number:	011917B -9											
Sample Description:	A9 Multi Purpose Room											
Air Volume Sampled (L):	75											
Detection Limit (Ct./m3):	50											
Background (0-5):	1											
Spore Genus/Category	Raw Ct	Ct./m³	%	Raw Ct	Ct./m³	%	Raw Ct	Ct./m³	%	Raw Ct	Ct./m³	%
Alternaria												
Ascospores												
Aspergillus/Penicillium-like												
Basidiospores	7	350	100									
Bipolarus++												
Bispora												
Chaetomium												
Cladosporium												
Curvularia												
Epicoccum												
Fusarium												
Memnoniella*												
Pithomyces												
Rhizopus												
Rusts												
Myxomycetes++												
Stachybotrys*												
Stemphilium												
Torula												
Trichoderma												
Ulocladium												
Other Colorless												
Hyphal Fragments												
Total Fungi	7	350	100									

Comment:


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