



AccuScience™  
Analysis Report

QLab, 256 Bridge St, Metuchen, NJ 08840  
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AIHA EMPAT Lab ID: 178794

**Analysis:** AccuScience Premium Level 3 Fungal Spore Count™  
**Client:** RK Environmental  
Phillipsburg, NJ  
**Contact:** McGuinness, Michael  
**Project ID:** Francis A Desmares Elem  
**Date Sampled:** 8/24/2018

**QLab Job No.:** ME180824-15  
**Date Received:** 8/24/2018  
**Date Analyzed:** 8/26/2018  
**Date Reported:** 8/27/2018

Reviewed by: WT

Approved by: Wei-Chih Tang, Ph.D., Lab Director

Lab Sample No.	ME180824-15(4)			ME180824-15(5)			ME180824-15(6)		
Sample ID	2421578			2421566			2421645		
Sample Location	30, 29, 24, 23, 20			5, 9, 12, 15A, 17B			1, 4, 5C, 6, 8		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	8,100 cts/m³			93,000 cts/m³			16,000 cts/m³		
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%
<b>1. Common Dominant Spores</b>	DL = 53; LQL = 1100 cts/m³			DL = 200; LQL = 4000 cts/m³			DL = 53; LQL = 1100 cts/m³		
Ascospores, non-specified (O)	30	400	5						
Basidiospores (O,I)	461	6,100	75	513	6,800	7	57	760	5
Cladosporium, Group HM (O)	11	150	2						
Aspergillus/Penicillium-like, DOT (O) #Cluster-Chain-Loose Spore Profile™									
Cladosporium, Group C (O,I)	38	510	6	357	4,800	5	45	600	4
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O) ## Cluster-Chain-Loose Spore Profile™	64	850	10	6,070	81,000	87	1,153	15,000	91
Cluster(s)	0% - 53% - 47%			Too numerous to categorize			Too numerous to categorize		
				Too numerous to categorize			Too numerous to categorize		
<b>2. Indoor Hydrophilic Fungi#</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Stachybotrys (I)									
Chaetomium (I)									
Ulocladium (I)									
Memnoniella (I)									
Trichoderma (I)									
Scopulariopsis (I)									
<b>3. Others</b>	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Hyphal fragment (O,I)	2	27	<1	3	40	<1	2	27	<1
Alternaria (O,I)									
Cercospora (O)									
Curvularia (O,I)	1	13	<1						
Drechslera/Bipolaris-like (O)									
Epicoccum (O)	1	13	<1				1	13	<1
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)	2	27	<1						
Nigrospora (O)									
Pithomyces (O)	1	13	<1				4	53	<1
Rusts (O)									
Unknown (O,I)							1	13	<1
<b>Skin Cells Rating</b>	Medium			Medium			Medium		
<b>Debris Rating</b>	3 (26 - 75%)			3 (26 - 75%)			3 (26 - 75%)		
<b>Note</b>									

\*: cts/smp: counts per sample. \*\*: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.



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<b>Lab Sample No.</b>	ME180824-15(7)				
<b>Sample ID</b>	2421573				
<b>Sample Location</b>	OAR				
<b>Sample Type (Device)</b>	Air (Allergenco-D)				
<b>Air Volume</b>	75 L				
<b>Total Concentration (counts/m³)**</b>	32,000 cts/m³				
<b>Mycologix Profile Group 1, 2 &amp; 3</b>	cts/smp*	counts/m³	%		
<b>1. Common Dominant Spores</b>	DL = 110; LQL = 2100 cts/m³				
Ascospores, non-specified (O)	60	800	2		
Basidiospores (O,I)	2,114	28,000	87		
Cladosporium, Group HM (O)	38	510	2		
Aspergillus/Penicillium-like, DOT (O) <i>#Cluster-Chain-Loose Spore Profile™</i>					
Cladosporium, Group C (O,I)	194	2,600	8		
Cladosporium, Group S (I)					
Aspergillus/Penicillium-like (I,O) <i>## Cluster-Chain-Loose Spore Profile™</i> <i>Cluster(s)</i>					
<b>2. Indoor Hydrophilic Fungi<sup>#</sup></b>	DL = 13; LQL = 270 cts/m³				
Stachybotrys (I)					
Chaetomium (I)					
Ulocladium (I)					
Memnoniella (I)					
Trichoderma (I)					
Scopulariopsis (I)					
<b>3. Others</b>	DL = 13; LQL = 270 cts/m³				
Hyphal fragment (O,I)	11	150	<1		
Alternaria (O,I)	10	130	<1		
Cercospora (O)					
Curvularia (O,I)					
Drechslera/Bipolaris-like (O)					
Epicoccum (O)	3	40	<1		
Fusarium (O,I)					
Myxomycetes/Smuts/Periconia (O,I)					
Nigrospora (O)	1	13	<1		
Pithomyces (O)					
Rusts (O)	1	13	<1		
Unknown (O,I)	5	67	<1		
<b>Skin Cells Rating</b>	Trace				
<b>Debris Rating</b>	3 (26 - 75%)				
<b>Note</b>					

\*: cts/smp: counts per sample. \*\*: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.