

Airborne Mold Test

September 2018

Room	Date	Total Counts spr/m3	Individual Counts Spr/m3	Predominant Species	Relative Humidity RH %	Temperature
Outdoors	9/19	4693	1333 907 2240	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	61.0	82.0 F°
102	9/19	1013	267 533 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	32	72.5
104	9/19	960	320 427 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	31	72.6
106	9/19	747	160 373 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	32	71.4
115	9/19	747	320 267 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	32.5	76.4
117	9/19	480	107 213 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Penicillium / Aspergillus Grp</i>	33	75.2
Gym (113 Corner)	9/19	1333	640 427 160	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	70	77.5
Gym (Locker Corner)	9/19	1013	320 480 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	71	77.5
Gym Tiger Hall	9/19	1653	480 427 373	<i>Ascospores</i> <i>Basidiospores</i> <i>Penicillium / Aspergillus Grp</i>	75	76.4
113	9/19	4693	800 800 2933	<i>Basidiospores</i> <i>Cladosporium</i> <i>Penicillium / Aspergillus Grp</i>	74.5	76.4
114	9/19	1440	320 480 373	<i>Ascospores</i> <i>Cladosporium</i> <i>Penicillium / Aspergillus Grp</i>	73.6	78
Boy's Locker	9/19	373	53 160 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Penicillium / Aspergillus Grp</i>	68.6	78
Girl's Locker	9/19	480	107 320 53	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	67.2	78
120	9/19	587	267 160 53	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	40.3	72.6
118	9/19	800	213 320 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	46.2	71.4

Room	Date	Total Counts spr/m3	Individual Counts Spr/m3	Predominant Species	Relative Humidity RH %	Temperature C°
122	9/19	480	160 160 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	45.3	71.4
Cust Closet 7 th	9/19	693	107 107 320	<i>Ascospores</i> <i>Basidiospores</i> <i>Penicillium / Aspergillus Grp</i>	51.1	70.8
123	9/19	960	267 320 373	<i>Ascospores</i> <i>Basidiospores</i> <i>Penicillium / Aspergillus Grp</i>	42.3	70.1
130	9/19	107	53 53	<i>Basidiospores</i> <i>Cladosporium</i>	46.2	68.9
133	9/19	107	53 53	<i>Ascospores</i> <i>Basidiospores</i>	43.7	68.9
Main Office Secretary	9/19	160	107 53	<i>Cladosporium</i> <i>Smuts/Periconia/Myxomycetes</i>	67.7	72.6
Main Office Conf.	9/19	160	107 53	<i>Basidiospores</i> <i>Cladosporium</i>	69.1	72.6
Main Entrance	9/19	160	53 53 53	<i>Basidiospores</i> <i>Cladosporium</i> <i>Drechslera / Bipolaris Grp</i>	56.4	73.9
228	9/19	107	53 53	<i>Basidiospores</i> <i>Cladosporium</i>	56.0	72.6
225	9/19	107	53 53	<i>Ascospores</i> <i>Basidiospores</i>	53.0	71.4
Tech Storage	9/19	213	53 53 53	<i>Basidiospores</i> <i>Cladosporium</i> <i>Pithomyces</i>	53.0	71.4
239	9/19	427	160 213 53	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	60.8	
Kitchen	9/19	693	160 267 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	62.5	
229 A	9/19	533	107 213 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Smuts/Periconia/Myxomycetes</i>	66.2	
229 B	9/19	267	53 107 53	<i>Ascospores</i> <i>Cladosporium</i> <i>Pithomyces</i>	66.7	
229 D	9/19	427	107 107 107	<i>Ascospores</i> <i>Cladosporium</i> <i>Penicillium / Aspergillus Grp</i>	70.8	
229 E	9/19	800	213 267 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	71.1	

Room	Date	Total Counts spr/m3	Individual Counts Spr/m3	Predominant Species	Relative Humidity RH %	Temperature C°
229 F	9/19	693	267 107 267	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	70.6	
229 G	9/19	133	80 13 40	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	70.4	
229 H	9/19	1333	640 213 267	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	70.1	
229 I	9/19	907	267 320 160	<i>Ascospores</i> <i>Cladosporium</i> <i>Penicillium / Aspergillus Grp</i>	70.1	
229 J	9/19	747	213 373 107	<i>Ascospores</i> <i>Cladosporium</i> <i>Penicillium / Aspergillus Grp</i>	69.8	
229 K	9/19	747	267 107 267	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	69.6	
229 L	9/19	1493	533 693 267	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	69.1	
221	9/19	1867	747 693 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	49.6	
212	9/19	853	213 213 267	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	63.3	
211	9/19	1067	533 373 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	60.3	
210	9/19	1600	693 373 373	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	46.3	
209	9/19	533	107 160 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	45.5	
208	9/19	12573	5440 4960 2133	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	60.8	
206 B	9/19	1067	533 373 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	52.3	
203	9/19	2880	1600 800 480	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	53.5	
231	9/19	1653	853 693 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	65.4	

Room	Date	Total Counts spr/m3	Individual Counts Spr/m3	Predominant Species	Relative Humidity RH %	Temperature C°
232	9/19	1813	1067 587 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	62.4	
233	9/19	1387	800 267 213	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	65.7	
234	9/19	1867	1013 747 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	68.2	
235	9/19	1120	587 373 160	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	52.5	
236	9/19	1440	747 480 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	56.9	
238	9/19	1587	1440 147	<i>Ascospores</i> <i>Basidiospores</i>	58.9	
217	9/19	853	213 267 267	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	50.5	
216	9/19	480	107 213 160	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>	49.8	
119 Tunnel Interior	9/19	298773	12800 279467 1493	<i>Chaetomium</i> <i>Penicillium / Aspergillus Grp</i> <i>Stachybotrys</i>	70.5	
Gym Tunnel Interior	9/19	47413	1067 45600 320	<i>Cladosporium</i> <i>Penicillium / Aspergillus Grp</i> <i>Smuts/Periconia/Myxomycetes</i>	71.3	
Outdoors	9/20	9653	6293 2133 1120	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>		
PTA Closet	9/20	640	107 427 107	<i>Ascospores</i> <i>Cladosporium</i> <i>Smuts/Periconia/Myxomycetes</i>	61.8	22.6
205	9/20	320	53 107 107	<i>Ascospores</i> <i>Basidiospores</i> <i>Cladosporium</i>		

The following typical indoor mold spore concentration ranges were suggested as a “guide to evaluating the relative degree of indoor airborne mold spore amplification” by Daniel Baxter, the inventor of the Air-O-Cell mold spore trap, the most widely used bioaerosol sampling device:

Description	Spores(CTS/M3)	Predominant Types
“Clean” building	less than 2,000	Total for all spores
	less than 700	<i>Penicillium, Aspergillus</i>
Possible Indoor Amplification	1,000-5,000	<i>Penicillium, Aspergillus, Cladosporium</i>
Indoor Amplification likely present	5,000-10,000	
Chronic Indoor Amplification	10,000-500,000	<i>Penicillium, Aspergillus, Cladosporium</i>
Inadequate flood cleanup or active indoor demolition of contaminated surfaces	50,000-10,000,000	<i>Penicillium, Aspergillus, Stachybotrys, Cladosporium, Chaetomium, Basidiomycetes, Trichoderma, Ulocladium, etc.</i>

TAPE LIFT MOLD SPORE COUNTS

SAMPLE LOCATION	MOLD TYPES REPORTED
Crawlspace Pipe Insulation	Few <i>Aspergillus/Penicillium Group</i>
	Numerous <i>Stachybotrys Conidiophores</i>
	Numerous <i>Stachybotrys Hyphae</i>
	Numerous <i>Stachybotrys Spores</i>
Crawlspace Pipe Insulation	Numerous <i>Stachybotrys Conidiophores</i>
	Numerous <i>Stachybotrys Hyphae</i>
	Numerous <i>Stachybotrys Spores</i>