

Prestige EnviroMicrobiology, Inc

AIHA Environmental Microbiology PAT Program participant

Laboratory ID Number 192810

Website: www.prestige-em.com

Analytical Test Report

Client: Proac Corp. 8401 South Lancaster Ave, Bethel, PA 19507

Client Project: SESD East Middle School

Sample date: 9-26-2012

Submittal date: 9-27-2012

Date samples received: 9-28-2012

Date of inoculation: 9-26-2012 (Andersen)

Samples submitted by: Walt Saunders

Date analysis completed: October 5, 2012

Prestige Report number: 120928-01

Culture Method (P006): Culture Analysis of Andersen Samples for Airborne Fungi

Prestige# Client sample ID Location	Air vol. (m ³)	Media used	Fungal Identification	Colony counts	CFU/ m ³	Percentage
120928-01-047 Out 47 Outside #1	0.1132	MEA	<i>Alternaria alternata</i>	1	9	1%
			<i>Aspergillus flavus</i>	1	9	1%
			<i>Cladosporium</i> spp.	57	500	60%
			<i>Epicoccum nigrum</i>	1	9	1%
			<i>Fusarium graminearum</i>	1	9	1%
			<i>Penicillium</i> spp.	15	130	16%
			<i>Pithomyces chartarum</i>	1	9	1%
			<i>Rhodotorula glutinis</i>	9	80	9%
			yeasts	8	71	8%
			sterile fungi	1	9	1%
120928-01-048 48 Rm 126	0.1132	MEA	<i>Alternaria alternata</i>	3	27	11%
			<i>Aspergillus niger</i>	1	9	4%
			<i>Cladosporium</i> spp.	9	80	33%
			<i>Penicillium</i> spp.	6	53	22%
			<i>Phoma</i> sp.	1	9	4%
			<i>Pithomyces chartarum</i>	1	9	4%
			<i>Trichoderma harzianum</i>	1	9	4%
			yeasts	4	35	15%
			sterile fungi	1	9	4%
120928-01-049 49 Rm 124	0.1132	MEA	<i>Aspergillus versicolor</i>	1	9	5%
			<i>Cladosporium</i> spp.	10	88	48%
			<i>Nigrospora sphaerica</i>	1	9	5%
			<i>Penicillium</i> spp.	3	27	14%
			<i>Pithomyces chartarum</i>	5	44	24%
			<i>Rhodotorula glutinis</i>	1	9	5%
					Total 190	

Prestige EnviroMicrobiology, Inc

AIHA Environmental Microbiology PAT Program participant

Laboratory ID Number 192810

Website: www.prestige-em.com

120928-01-050 50 Office Area	0.1132	MEA	<i>Cladosporium</i> spp. <i>Curvularia lunata</i> <i>Fusarium sporotrichioides</i> <i>Penicillium</i> spp. <i>Phoma</i> sp. <i>Pithomyces chartarum</i> <i>Rhodotorula glutinis</i> yeasts	6 2 1 4 1 3 1 2	53 18 9 35 9 27 9 18	30% 10% 5% 20% 5% 15% 5% 10%	Total 180
120928-01-051 51 Cafeteria	0.1132	MEA	<i>Acrodontium intermissum</i> basidiomycetes <i>Cladosporium</i> spp. <i>Penicillium</i> spp. <i>Rhodotorula glutinis</i>	8 4 8 2 2	71 35 71 18 18	33% 17% 33% 8% 8%	Total 210
120928-01-052 52 Outside #2	0.1132	MEA	basidiomycetes <i>Cladosporium</i> spp. <i>Epicoccum nigrum</i> <i>Fusarium graminearum</i> <i>Nigrospora sphaerica</i> <i>Penicillium</i> spp. yeasts	2 47 1 1 1 6 2	18 420 9 9 9 53 18	3% 78% 2% 2% 2% 10% 3%	Total 540
120928-01-053 53 Weight Rm	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Cladosporium</i> spp. <i>Curvularia lunata</i> <i>Epicoccum nigrum</i> <i>Pithomyces chartarum</i> yeasts	10 8 1 2 2 3	88 71 9 18 18 27	38% 31% 4% 8% 8% 12%	Total 230
120928-01-054 54 Wrestle Room	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Cladosporium</i> spp. <i>Penicillium</i> spp. yeasts	6 2 2 1	53 18 18 9	55% 18% 18% 9%	Total 98
120928-01-055 55 Boys Training Rm	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Aspergillus fumigatus</i> <i>Cladosporium</i> spp. <i>Phoma</i> spp. <i>Pithomyces chartarum</i> <i>Rhodotorula glutinis</i> yeasts	9 1 3 2 1 2 3	80 9 27 18 9 18 27	43% 5% 14% 10% 5% 10% 14%	Total 190
120928-01-056 56 Boys Locker Rm	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Aspergillus versicolor</i> <i>Cladosporium</i> spp. <i>Epicoccum nigrum</i> <i>Penicillium</i> sp. <i>Pithomyces chartarum</i> <i>Rhodotorula glutinis</i> yeasts	3 1 5 2 1 1 1 6	27 9 44 18 9 9 9 53	15% 5% 25% 10% 5% 5% 5% 30%	Total 180

Prestige EnviroMicrobiology, Inc

AIHA Environmental Microbiology PAT Program participant

Laboratory ID Number 192810

Website: www.prestige-em.com

120928-01-057 57 Library Office	0.1132	MEA	<i>Alternaria alternata</i> <i>Cladosporium</i> spp. <i>Penicillium</i> spp. <i>Phoma</i> sp. <i>Pithomyces chartarum</i> <i>Rhodotorula glutinis</i> yeasts	1 7 2 1 1 1 3	9 62 18 9 9 9 27	6% 44% 13% 6% 6% 6% 19%
					Total	140
120928-01-058 58 Girls Locker Rm	0.1132	MEA	<i>Cladosporium</i> spp. <i>Fusarium graminearum</i> <i>Fusarium sporotrichioides</i> <i>Pithomyces chartarum</i> yeasts	7 1 1 1 1	62 9 9 9 9	64% 9% 9% 9% 9%
					Total	98
120928-01-059 59 Girls Team Rm	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Cladosporium</i> spp. <i>Penicillium</i> spp. <i>Rhodotorula glutinis</i> yeasts	8 9 5 2 1	71 80 44 18 9	32% 36% 20% 8% 4%
					Total	220
120928-01-060 60 Library	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Alternaria alternata</i> <i>Cladosporium</i> spp. <i>Fusarium graminearum</i>	1 1 4 1	9 9 35 9	14% 14% 57% 14%
					Total	62
120928-01-061 61 Outside #3	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Alternaria alternata</i> <i>Cladosporium</i> spp. <i>Epicoccum nigrum</i> <i>Nigrospora sphaerica</i> <i>Penicillium</i> spp. <i>Rhodotorula glutinis</i> yeasts	9 1 42 6 1 3 1 1	80 9 370 53 9 27 9 9	14% 2% 66% 9% 2% 5% 2% 2%
					Total	570
120928-01-062 62 Rm 135	0.1132	MEA	<i>Acrodontium intermissum</i> <i>Alternaria alternata</i> basidiomycetes <i>Cladosporium</i> spp. <i>Penicillium</i> spp. <i>Pithomyces chartarum</i> <i>Rhodotorula glutinis</i> sterile fungi	4 1 2 7 2 1 1 1	35 9 18 62 18 9 9 9	21% 5% 11% 37% 11% 5% 5% 5%
					Total	170
120928-01-063 63 Rm 137	0.1132	MEA	<i>Cladosporium</i> spp. <i>Curvularia lunata</i> <i>Epicoccum nigrum</i> <i>Penicillium</i> spp. <i>Pithomyces chartarum</i> yeasts	3 1 1 2 1 1	27 9 9 18 9 9	33% 11% 11% 22% 11% 11%
					Total	81

Prestige EnviroMicrobiology, Inc

AIHA Environmental Microbiology PAT Program participant

Laboratory ID Number 192810

Website: www.prestige-em.com


120928-01-064 64 Outside #4	0.1132	MEA	<i>Acrodontium intermissum</i>	5	44	8%
			<i>Alternaria alternata</i>	2	18	3%
			<i>Cladosporium</i> spp.	38	340	62%
			<i>Epicoccum nigrum</i>	6	53	10%
			<i>Fusarium solani</i>	3	27	5%
			<i>Penicillium</i> spp.	6	53	10%
			<i>Phoma</i> sp.	1	9	2%
120928-01-065 65 Rm 224	0.1132	MEA	<i>Acrodontium intermissum</i>	3	27	13%
			<i>Cladosporium</i> spp.	12	110	52%
			<i>Penicillium</i> spp.	5	44	22%
			<i>Pithomyces chartarum</i>	1	9	4%
			yeasts	2	18	9%
				Total 210		
120928-01-066 66 Rm 222	0.1132	MEA	<i>Acrodontium intermissum</i>	2	18	18%
			<i>Alternaria alternata</i>	1	9	9%
			<i>Cladosporium</i> spp.	6	53	55%
			<i>Rhodotorula glutinis</i>	1	9	9%
			yeasts	1	9	9%
				Total 98		
120928-01-067 67 Gym 1	0.1132	MEA	<i>Acrodontium intermissum</i>	4	35	31%
			<i>Cladosporium</i> spp.	5	44	38%
			<i>Phoma</i> sp.	1	9	8%
			<i>Rhodotorula glutinis</i>	1	9	8%
			yeasts	2	18	15%
				Total 120		
120928-01-068 68 Gym 2	0.1132	MEA	<i>Acrodontium intermissum</i>	6	53	43%
			basidiomycetes	2	18	14%
			<i>Cladosporium</i> spp.	4	35	29%
			<i>Epicoccum nigrum</i>	1	9	7%
			yeasts	1	9	7%
				Total 120		
120928-01-069 69 Outside #5	0.1132	MEA	<i>Acrodontium intermissum</i>	4	35	6%
			<i>Alternaria alternata</i>	3	27	5%
			<i>Aureobasidium pullulans</i>	1	9	2%
			<i>Cladosporium</i> spp.	45	400	68%
			<i>Curvularia lunata</i>	1	9	2%
			<i>Epicoccum nigrum</i>	3	27	5%
			<i>Fusarium solani</i>	3	27	5%
			<i>Penicillium</i> spp.	3	27	5%
			yeasts	2	18	3%
			sterile fungi	1	9	2%

Report approved: _____



Theresa Lehman, MPH, Lab Director

Quality control check: _____



Chin S Yang, Ph.D.

Prestige EnviroMicrobiology, Inc

AIHA Environmental Microbiology PAT Program participant

Laboratory ID Number 192810

Website: www.prestige-em.com

Report review: _____

Theresa Lehman

1. The samples in this report were received in good, acceptable conditions. Results relate only to the items tested.
2. Percentage is for each group in total population.
3. Concentrations and percentages are rounded to the nearest two significant digits. Total percentage may not add up to 100% due to rounding.
4. MEA = 2% malt extract agar.
5. All culture samples are incubated at $25 \pm 0.5^{\circ}\text{C}$ unless otherwise indicated.
6. The detection limit of this analysis is one fungal colony. The quantitation limits vary from analysis to analysis and by air volume. Contact us to determine your quantitation limits.