

Analysis: High Performance Spore Count™ (FD-01HP)

Client: Sample Company
Cherry Hill, NJ

Contact: Doe, John

Project ID: Sample Project

Date Sampled: 7/1/2001

QLab Job No.: CH01-0701-01

Date Received: 7/1/2001

Date Analyzed: 7/1/2001

Date Reported: 7/1/2001

Reviewed by: WT

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

| Lab Sample No. | CH01-0701-01(1) | | | CH01-0701-01(2) | | | CH01-0701-01(3) | | |
|--|--|-----------------------|----------|--|-----------------------|-----------|--|-----------------------|-----------|
| Sample ID | A-1 | | | A-2 | | | A-3 | | |
| Sample Location | Outdoor | | | Living Room | | | Kitchen | | |
| Sample Type (Device) | Air (Air-O-Cell) | | | Air (Air-O-Cell) | | | Air (Air-O-Cell) | | |
| Air Volume | 75 L | | | 75 L | | | 75 L | | |
| Total Concentration (counts/m ³)** | 15,000 cts/m ³ | | | 3,700 cts/m ³ | | | 3,000 cts/m ³ | | |
| MoldSense Profile™ 1, 2 and 3 | cts/smp* | counts/m ³ | % | cts/smp* | counts/m ³ | % | cts/smp* | counts/m ³ | % |
| 1. Common Dominant Spores: | DL = 53; LQL = 1100 cts/m ³ | | | DL = 53; LQL = 1100 cts/m ³ | | | DL = 53; LQL = 1100 cts/m ³ | | |
| ascospores | 204 | 2,700 | 18 | 48 | 640 | 17 | 44 | 590 | 20 |
| basidiospores | 608 | 8,100 | 53 | 92 | 1,200 | 32 | 48 | 640 | 22 |
| Cladosporium, Group H (O) | 188 | 2,500 | 16 | 16 | 210 | 6 | | | |
| Cladosporium, Group C (O,I) | 96 | 1,300 | 8 | 88 | 1,200 | 32 | 48 | 640 | 22 |
| Cladosporium, Group S (I) | | | | | | | | | |
| Aspergillus/Penicillium-like | 42 | 560 | 4 | 32 | 430 | 11 | 76 | 1,000 | 34 |
| ## Cluster-Chain-Loose Spore Profile™ | 43% - 0% - 57% | | | 0% - 0% - 100% | | | 0% - 16% - 84% | | |
| Cluster(s) | 1 cluster of 18 spores | | | | | | | | |
| 2. Indoor Hydrophilic Fungi#: | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | |
| Stachybotrys | | | | | | | | | |
| Chaetomium | | | | | | | | | |
| Ulocladium | | | | | | | | | |
| Memnoniella | | | | | | | | | |
| Trichoderma | | | | | | | | | |
| Scopulariopsis | | | | | | | | | |
| 3. Others: | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | |
| hyphal fragment | 4 | 53 | <1 | 2 | 27 | <1 | 6 | 80 | 3 |
| Alternaria | 2 | 27 | <1 | 1 | 13 | <1 | | | |
| Cercospora | | | | | | | | | |
| Curvularia | 3 | 40 | <1 | 1 | 13 | <1 | | | |
| Drechslera/Bipolaris | | | | | | | | | |
| Epicoccum | | | | | | | | | |
| Fusarium | | | | | | | | | |
| Myxomycetes/smuts/Periconia | 6 | 80 | <1 | 1 | 13 | <1 | 1 | 13 | <1 |
| Pithomyces | | | | | | | | | |
| rust | 1 | 13 | <1 | | | | | | |
| unknown | | | | | | | | | |
| Skin Cells Rating | Trace | | | Low | | | Medium | | |
| Total Debris Coverage | ≤ 25% | | | ≤ 25% | | | ≤ 25% | | |
| Note | | | | | | | | | |

*: 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

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| Lab Sample No. | CH01-0701-01(4) | | | CH01-0701-01(5) | | | CH01-0701-01(6) | | |
|---|--|-----------------------|----|--|-----------------------|----|--|-----------------------|----|
| Sample ID | A-4 | | | A-5 | | | A-6 | | |
| Sample Location | Bedroom | | | Master Bedroom | | | Basement | | |
| Sample Type (Device) | Air (Air-O-Cell) | | | Air (Air-O-Cell) | | | Air (Air-O-Cell) | | |
| Air Volume | 75 L | | | 75 L | | | 75 L | | |
| Total Concentration (counts/m ³)** | 3,000 cts/m ³ | | | 3,300 cts/m ³ | | | 7,500 cts/m ³ | | |
| MoldSense Profile™ 1, 2 and 3 | cts/smp* | counts/m ³ | % | cts/smp* | counts/m ³ | % | cts/smp* | counts/m ³ | % |
| 1. Common Dominant Spores: | DL = 53; LQL = 1100 cts/m ³ | | | DL = 53; LQL = 1100 cts/m ³ | | | DL = 53; LQL = 1100 cts/m ³ | | |
| ascospores | 4 | 53 | 2 | | | | | | |
| basidiospores | 48 | 640 | 22 | 8 | 110 | 3 | | | |
| Cladosporium, Group H (O) | | | | | | | | | |
| Cladosporium, Group C (O,I) | 24 | 320 | 11 | | | | | | |
| Cladosporium, Group S (I) | 12 | 160 | 5 | 40 | 530 | 16 | 96 | 1,300 | 17 |
| Aspergillus/Penicillium-like | 128 | 1,700 | 58 | 195 | 2,600 | 78 | 442 | 5,900 | 79 |
| <small>### Cluster-Chain-Loose Spore Profile™</small> | 0% - 44% - 56% | | | 8% - 51% - 41% | | | 9% - 41% - 50% | | |
| <small>Cluster(s)</small> | | | | 1 cluster of 15 spores | | | 2 clusters of 12, 26 spores | | |
| 2. Indoor Hydrophilic Fungi*: | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | |
| Stachybotrys | 1 | 13 | <1 | 3 | 40 | 1 | 12 | 160 | 2 |
| Chaetomium | | | | 1 | 13 | <1 | 3 | 40 | <1 |
| Ulocladium | | | | | | | | | |
| Memnoniella | | | | | | | | | |
| Trichoderma | | | | | | | | | |
| Scopulariopsis | | | | | | | | | |
| 3. Others: | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | | DL = 13; LQL = 270 cts/m ³ | | |
| hyphal fragment | 1 | 13 | <1 | 2 | 27 | <1 | 8 | 110 | 1 |
| Alternaria | 1 | 13 | <1 | | | | | | |
| Cercospora | | | | | | | | | |
| Curvularia | 1 | 13 | <1 | | | | | | |
| Drechslera/Bipolaris | | | | | | | | | |
| Epicoccum | | | | | | | | | |
| Fusarium | | | | | | | | | |
| Myxomycetes/smuts/Periconia | 2 | 27 | <1 | | | | | | |
| Pithomyces | | | | | | | | | |
| rust | | | | | | | | | |
| unknown | | | | | | | | | |
| Skin Cells Rating | Medium | | | Medium | | | Low | | |
| Total Debris Coverage | ≤ 25% | | | 26 - 50% | | | 51 - 75% | | |
| Note | | | | | | | | | |

*: 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

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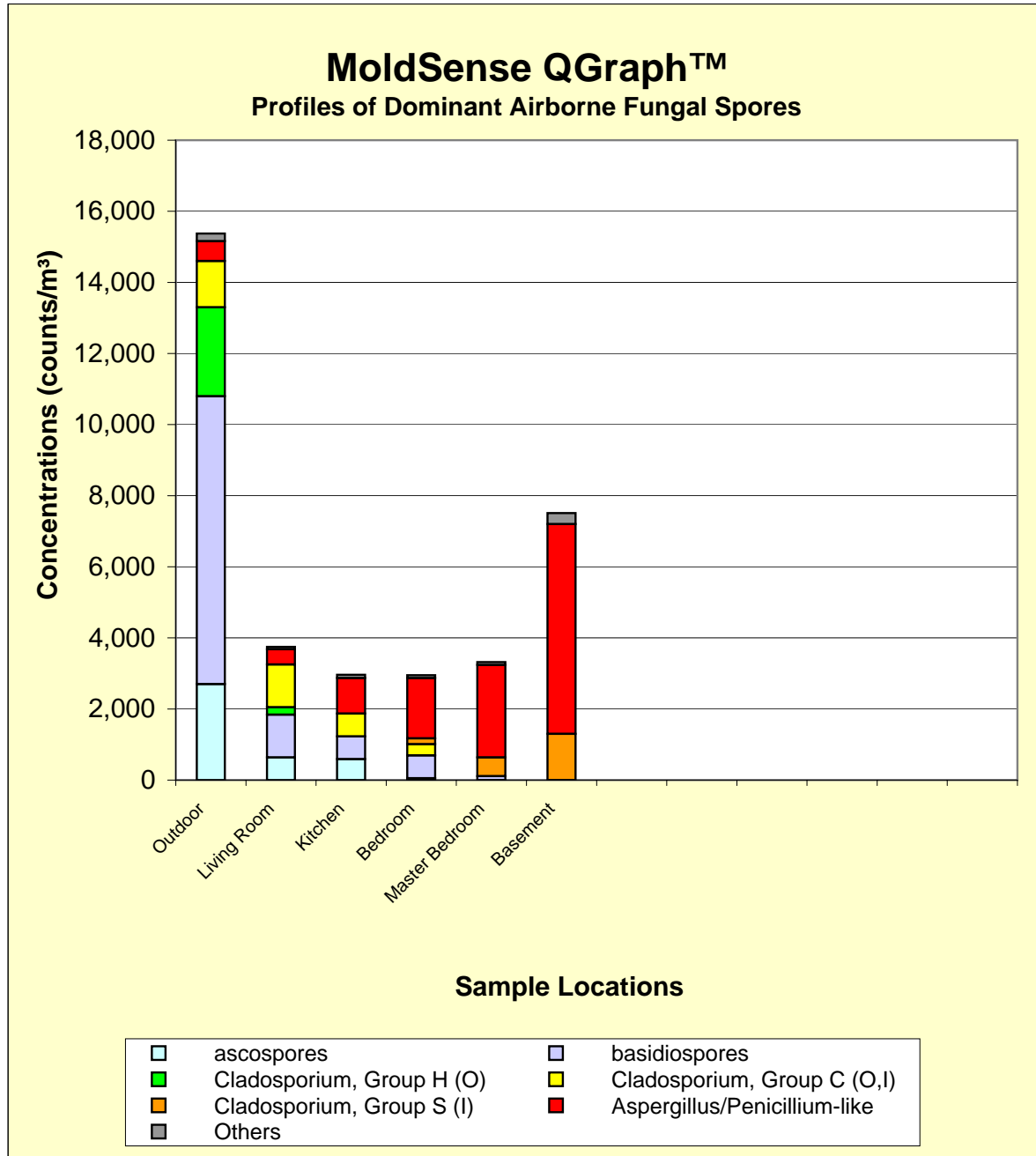
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Please see the original data for complete interpretation.



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