



# Application Results

## Test Data from a home in Central Florida in USA before and after 212mm (9") in-duct system installation

### Summary of Results Spores/cu meter

	<u>Before</u>	<u>After</u>
•Aspergillus/Penicillium	13,300	80
•Cladosporium	1,360	80
•Arthrospores	>12,000	0
<b>Total Fungi</b>	<b>&gt;33,100</b>	<b>320</b>
•Fibrous Particulate	800	160
•Hyphal Fragment	3,120	80
•Insect Fragment	400	80
•Pollen	80	40
<b>Total Particulate</b>	<b>4,420</b>	<b>360</b>

**Micro-5™ Cassette Analysis of Fungal Spores & Other Airborne Particulates by  
Optical Microscopy (EMSL Method M001)**

Lab Sample Number	340601072-0001								
Client Sample ID	388233								
Volume	25								
Sample Location	master bedroom								
<b>Spore Types</b>	<b>Raw Count</b>	<b>Spores/m<sup>3</sup></b>	<b>% of Total</b>	<b>Raw Count</b>	<b>Spores/m<sup>3</sup></b>	<b>% of Total</b>	<b>Raw Count</b>	<b>Spores/m<sup>3</sup></b>	<b>% of Total</b>
Agrocybe/Coprinus	-	-	-						
Alternaria	-	-	-						
Arthrinium	-	-	-						
Arthrospores	>300	>12000	36.3						
Ascospores	1	40	0.1						
Aspergillus/Penicillium	333	13300	40.3						
Basidiospores	12	480	1.5						
Bipolaris	-	-	-						
Chaetomium	-	-	-						
Cladosporium	34	1360	4.1						
Curvularia	-	-	-						
Epicoccum	-	-	-						
Fusarium	-	-	-						
Ganoderma	-	-	-						
Memnoniella	4	160	0.5						
Myxomycete	4	160	0.5						
Paecilomyces	117	4680	14.2						
Pithomyces/Ulocladium	-	-	-						
Rust	-	-	-						
Scoptariopsis	17	680	2.1						
Stachybotrys	-	-	-						
Torula	-	-	-						
Unidentifiable Spores	5	200	0.6						
Zygomycetes	-	-	-						
<b>Total Fungi</b>	<b>&gt;827</b>	<b>&gt;33100</b>	<b>100</b>						
Fibrous Particulate	20	800							
Hyphal Fragment	78	3120							
Insect Fragment	10	400							
Pollen	2	80							
Analytical Sensitivity		40							
Skin Fragments (1-4)		2							
Background (1-5)		2							

**Before**

**Micro-5(™) Cassette Analysis of Fungal Spores & Other Airborne Particulates by  
Optical Microscopy (EMSL Method M001)**

Lab Sample Number	340602014-0001								
Client Sample ID	388105								
Volume	25								
Sample Location	master bedroom								
Spore Types	Raw Count	Spores/m <sup>3</sup>	% of Total	Raw Count	Spores/m <sup>3</sup>	% of Total	Raw Count	Spores/m <sup>3</sup>	% of Total
Agrocybe/Coprinus	-	-	-						
Alternaria	-	-	-						
Arthrinium	-	-	-						
Arthrospores	-	-	-						
Ascospores	2	80	25						
Aspergillus/Penicillium	2	80	25						
Basidiospores	-	-	-						
Bipolaris	1	40	12.5						
Chaetomium	-	-	-						
Cladosporium	1	40	12.5						
Curvularia	-	-	-						
Epicoccum	-	-	-						
Fusarium	-	-	-						
Ganoderma	-	-	-						
Myxomycete	-	-	-						
Nigrospora	2	80	25						
Paecilomyces	-	-	-						
Pithomyces/Ulocladium	-	-	-						
Rust	-	-	-						
Scofulariopsis	-	-	-						
Stachybotrys	-	-	-						
Torula	-	-	-						
Unidentifiable Spores	-	-	-						
Zygomycetes	-	-	-						
<b>Total Fungi</b>	<b>8</b>	<b>320</b>	<b>101</b>						
Fibrous Particulate	4	160							
Hyphal Fragment	2	80							
Insect Fragment	2	80							
Pollen	1	40							
Analytical Sensitivity		40							
Skin Fragments (1-4)		2							
Background (1-5)		1							

**After**