INDOOR biotechnologies INC

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Indoor Allergen Analysis Report
Allergen Analysis Results

Forest Wind Siberians

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Date Received: 12/14/2009
Date Assayed: 12/17/2009
Date Reported: 12/18/2009 9:00:32 AM

Batch ID: 09-0334E

E=ELISA, M=MARIA, T=Endotoxin

Fel d 1 results reported as microgram allergen per milliliter saliva.

		Mite Allergens:			*Cat:*	*Dog:*	*Rat:*	*Mouse:*	*Cockroach*
Accession:	***Sample:***	**Der p 1**	**Der f 1**	**MG2**	**Fel d 1**	**Can f 1**	**Rat n 1**	**Mus m 1**	**Bla g 2**
209-2687	Theo				7.91				
209-2688	Gostimira				0.25				
209-2689	Novia				1.88				
209-2690	Ivanka				0.02				
209-2691	Malania				2.16				
209-2692	Flynn				0.02				

NES = Insufficient sample for the assay
The detection limit is 0.008 ug/ml for Fel d 1.

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		Mite Allergens:			*Cat:*	*Dog:*	*Rat:*	*Mouse:*	*Cockroach*
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Guidelines: **The following guidelines for Dermatophagoides mite, cat, dog and cockroach allergen levels in house dust have been proposed: 1,2,3,6**

		MITE Group 1	CAT/DOG	Bla g 1	Bla g 2
LOW	**(not sufficient to cause allergic symptoms)**	**< 2 µg Mite Group 1/g dust**	**< 0.2 µg Fel d 1 or Can f 1/g dust**	**< 1 Units Bla g 1/g dust**	**< 0.20 µg Bla g 2/g dust**
SIGNIFICANT	**(risk for sensitization and bronchial hyperactivity)**	**2-10 µg Mite Group 1/g dust**	**8-20 µg Fel d 1 or Can f 1/g dust**	**1-8 Units Bla g 1/g dust**	**0.20-0.4 µg Bla g 2/g dust**
HIGH	**(risk for acute asthmatic attack)**	**> 10 µg Mite Group 1/g dust**	**1-8 µg Fel d 1 or Can f 1/g dust**	**>8 Units Bla g 1/g dust**	**> 1 µg Bla g 2/g dust**

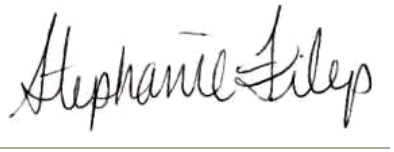
CAT/DOG **The results of two studies have observed that increased exposure to high levels of Fel d 1 and Can f 1 have caused individuals to develop a tolerance, which means that individuals could potentially be exposed to 8-20ug/g dust and only experience mild allergic symptoms. Individuals with less exposure to high levels of Fel d 1 and Can f 1 (1-8ug/g dust) may experience more severe allergic symptoms. 6**

COCKROACH **Allergen exposure threshold levels for sensitization have been published in Units/g dust. Some investigators feel that any detectable level of cockroach allergen is clinically significant because its presence identifies a building in which persons who are cockroach allergic are at risk to develop symptoms because of exposure. 4,5,6**

1. J. Allergy Clin Immunol 1989; 83:416-427.
2. Amer Rev Respir Dis 1990; 141:361-367
3. Amer Rev Respir Dis 1993; 147:573-578
4. Amer J Res Crit Care Med 1997; 155:94-98
5. J. Allergy Clin Immunol 1997; 100:S1-S24
6. Pediatric Allergy Principles and Practice 2003; 261-68

*** This report furnishes information only and is not intended to be an interpretation of the results. Whether an individual suffers allergic symptoms or not depends not only on the level of allergens in his/her environment but also on his/her medical history and previous exposure.**

Report reviewed and approved by:
Stephanie Filep, BS
Senior Analyst



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