

**Indoor Allergen Analysis Report
 Allergen Analysis Results**

Stacy Botris

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Date Received: 2/9/2009
Date Assayed: 2/11/2009
Date Reported: 2/28/2012 11:46:06 AM

Batch ID: 09-0026M

E=ELISA, M=MARIA, T=Endotoxin

Der p 1, Der f 1, Mite Group 2, Fel d 1, Can f 1, Rat n 1, Mus m 1 and Bla g 2 results reported as microgram allergen per gram dust.

Accession:	Sample:	Mite Allergens:			Cat:	Dog:	Rat:	Mouse:	Cockroach:
		Der p 1	Der f 1	MG2	Fel d 1	Can f 1	Rat n 1	Mus m 1	Bla g 2
209-0152	Bedroom	7.46	3.92	1.85	7.36	4.01	<0.004	<0.002	<0.2
209-0153	Living Room	1.33	0.14	0.5	10.39	9.94	<0.004	0.035	<0.2
209-0154	Kitchen	<0.012	<0.012	<0.004	<0.004	<0.012	<0.004	1.941	0.24

NES = Insufficient sample for the assay

The detection limits are 0.012 ug/g for Der p 1, Der f 1 and Can f 1; 0.004 ug/g for MG2, Fel d 1 and Rat n 1; 0.002 ug/g for Mus m 1 and 0.196 ug/g for Bla g 2.

Der p 1, Der f 1, Mite Group 2, Fel d 1, Can f 1, Rat n 1, Mus m 1 and Bla g 2 results reported as microgram allergen per gram dust.

Accession:	Sample:	Mite Allergens:			Cat:	Dog:	Rat:	Mouse:	Cockroach:
		Der p 1	Der f 1	MG2	Fel d 1	Can f 1	Rat n 1	Mus m 1	Bla g 2
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

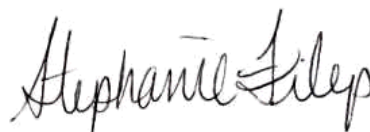
CAT/DOG The results of two studies have observed that increased exposure to high levels of Fel d 1 and Can f 1 have caused individuals to develop a tolerance, which means that individuals could potentially be exposed to 8-20ug/g dust and only experience mild allergic symptoms. Individuals with less exposure to high levels of Fel d 1 and Can f 1 (1-8ug/g dust) may experience more severe allergic symptoms. 2,4,6

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. 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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