700 Harris Street
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Indoor Allergen Analysis Report
Laboratory Animal Allergen Results

InBio™ Services

Batch ID: 18-0444M

E=ELISA, M=MARIA, T=Endotoxin, Z=Enzyme

Stacy Botris
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Project ID# 26485252

Date Received: 10/15/2018
Date Assayed: 10/17/2018
Date Reported: 10/23/2018 10:56:11 AM

Mus m 1, Rat n 1 and Guinea Pig Urinary Protein (GPUP) results reported as nanogram allergen per filter (extracted in 2mL buffer).

Accession:	***Sample:***	***Air Volume (Liters):***	***Laboratory Animal Allergens:*** Fel d 1	Fel d 4	Can f 1	Mus m 1	Rat n 1	GPUP	Equ c 4	Bos d 2
218-2498	1	536				1.46	2.78	5.42		
218-2499	2	687				0.29	0.35	1.49		

NES = Insufficient sample for the assay
The reporting limits are 0.01 ng/ml for Mus m 1; 0.02 ng/ml for Rat n 1 and 0.50 ng/ml for GPUP.

Mus m 1, Rat n 1 and Guinea Pig Urinary Protein (GPUP) results reported as nanogram allergen per filter (extracted in 2mL buffer).

Accession:	*Sample:*	*Air Volume (Liters):*	*Laboratory Animal Allergens:* Fel d 1	Fel d 4	Can f 1	Mus m 1	Rat n 1	GPUP	Equ c 4	Bos d 2

Allergen/Source:

Fel d 1 - Cat, *Felis domesticus*
Fel d 4 - Cat, *Felis domesticus*
Can f 1 - Dog, *Canis familiaris*
Mus m 1 - Mouse, Mouse Urinary Protein
Rat n 1 - Rat, Rat Urinary Protein
GPUP - Guinea Pig, Guinea Pig Urinary Protein
Equ c 4 - Horse, *Equus caballus*
Bos d 2 - Cow, *Bos domesticus*

*** 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.**

***Guidelines: The current consensus occupational exposure limit (OEL) target applied by most industrial hygienists in pharma and biotech is 5 nanograms of allergen per cubic meter of air (5ng/m3).**

References:

1. King E. Laboratory Animal Allergy: Improving Occupational Safety Through Improved Allergen Exposure Monitoring. Laboratory Animal Science Professional March 2018, pp46-48.

2. Glueck J. Exposure of Laboarotry Animal Care Workers to Airborne Mouse and Rat Allergens. Journal of the American Association for Laboratory Animal Science 2012;51:554-560.

3. Wood R. Laboarotry Animal Allergens. Institute for Laboratory Animal Research 2001;42:12-16.

3. Harrison D.J. Controlling Exposure to Laboratory Animal Allergens 2001;42:17-36.

2. Aoyama K. Allergy to Laboarotry Animals: an Epidemiological Study. British Journal of Industrial Medicine 1992;49:41-47.

Report reviewed and approved by:
Stephanie Filep, BS
Director of Laboratory Services

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Laboratory Animal Allergen Testing
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Customer Contact:
Project Coordinator: Stephanie Filep, Indoor Biotechnologies Inc.

Samples received:
Analysis performed:
Report date:

			Mus m 1		Rat n 1		GPUP	
ID#	Sample ID	Sample Volume (L)	ng/filter	ng/m^3	ng/filter	ng/m^3	ng/filter	ng/m^3
218-2498	1	536.0	1.46	2.72	2.78	5.19	5.42	10.11
218-2499	2	687.0	0.29	0.42	0.35	0.51	1.49	2.17
		LOD (ng/ml)	<0.01		<0.02		<0.50	