

Environmental Allergen Laboratory
 Analysis for Environmental Allergens by Immunoassay
 Dust Sample Report

Contact: _____

Batch ID#: _____

Site Address: _____

Client Sample ID: _____

Sample Description and Location:
 CHILD'S BEDROOM FLOOR

Lab Sample ID: _____ VO2

Sampling Date: _____

Date of Analysis: _____

Sampling Method: _____

Sample Type: Grab

Sample Area (sq. ft.): 9.0

Allergen	MDL (ug/g)	MDL (ug/g)	Low	Medium	High
Cat	0.32	0.01	<0.5	0.5 - 1.5	>1.5
Dog	1.21	0.01	<0.5	0.5 - 2.5	>2.5
Rodent	0.01	0.01	<0.3	0.3 - 1.0	>1.0
Dust Mite	0.09	0.01	<0.5	0.5 - 1.5	>1.5
Cockroach	0.13	0.01	<0.3	0.3 - 1.3	>1.3

MDL = Method Detection Limit

Analyst Signature: _____

Date: _____

QC Review Chk: _____

Method of Analysis: Std. Method

Instrument: Immunoassay

Dust samples:
 Dust should be collected with a vacuum and frozen as soon as possible after collection. Dust samples including any loose material are separated by size through a 50 mesh (300 um) brass screen to remove gross debris. Samples yielding at least 500 mg of sieved material are preferred. Sieved dust is extracted in PBS and extracted for 3 hours at 25°C. Extracts were stored at -20°C until analysis 19 18.

The dust is analyzed for antigens from 9 biological sources including fungal antigens specific to *Alternaria alternata*, *Cladosporium herbarum* and *Aspergillus fumigatus*. Also, antigens from *Dermatophagoides farinae*, *Canis famalaris*, *Felis domesticus*, *Mus Muscularis* and *Periplataria americana* are determined by monoclonal antibody assay. These assays were purchased from InBio Laboratories or developed in our laboratory using materials from Greer Laboratories, Lenoir, NC.