

Patient Name: Sample Report
 DOB: 5/16/1973
 Sample ID #: 20200819001-1
 Phone #: 123-456-7890
 E-Mail: SampleReport@google.com
 Collection Date: 8/18/2020
 Report Date: 02/23/2021



Physician: Dr. Infinite Laboratories
 Clinic: Test Customer
 Address: 123 Fake Street
 Anywhere, GA 30315
 Phone: 678-971-5256

Is your diet making you sick?

Antigen Group	Antigen	ENVIRONMENTAL	
		Results (Conc. U/mL)	IgE Low Range (U/mL)
Animal	Cat	<1.00	=1.00
	Dog	<1.00	=1.00
	Feather, Mixed	<1.00	=1.00
	Horse	2.33	=1.00
	Rabbit	<1.00	=1.00
Insect/Mite	Cockroach, American	9.69	=1.00
	Cockroach, German	<1.00	=1.00
	Dust Mite Mix	<1.00	=1.00
Mold/Fungus	Acremonium strictum	<1.00	=3.50
	Alternaria alternata	<1.00	=1.00
	Aureobasidium pullulans	<1.00	=1.00
	Bipolaris sorokiniana	<1.00	=1.00
	Botrytis cinerea	9.36	=1.30
	Chaetomium globosum	<1.00	=1.00
	Cladosporium cladosporioides	<1.00	=1.00
	Cladosporium herbarum	<1.00	=2.00
	Drechslera spicifera	<1.00	=1.00
	Epicoccum nigrum	<1.00	=1.00
	Fusarium moniliforme	<1.00	=1.80
	Fusarium roseum	<1.00	=2.40
	Fusarium solani	<1.00	=5.00
	Mucor plumbeus	<1.00	=1.00
	Mucor racemosus	<1.00	=1.00
	Penicillium notatum	<1.00	=3.50
Rhizopus oryzae	<1.00	=1.00	

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MODERATE	A "moderate" result indicates there is a moderate allergy to the allergen.
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Mold/Fungus	Rhodotorula mucilaginosa	<1.00	=1.00
	Trichoderma harzianum	<1.00	=1.00
	Trichophyton mentagrophytes	<1.00	=1.00
Pollen, Crops	Alfalfa	<1.00	=1.00
	Corn	14.56	=1.00
	Wheat (Pollen)	5.70	=1.00
Pollen, Grass	Bahia	<1.00	=1.00
	Bermuda	<1.00	=1.00
	Brome	<1.00	=1.00
	Johnson	<1.00	=1.00
	June (Kentucky Blue)	<1.00	=1.00
	Orchard	<1.00	=1.00
	Redtop (Bentgrass)	<1.00	=1.00
	Rye, Perennial	<1.00	=1.00
	Sweet Vernal	<1.00	=1.00
	Timothy	<1.00	=1.00
Pollen, Tree	Acacia	<1.00	=1.00
	Alder, White	<1.00	=1.00
	Ash, Arizona (Velvet)	<1.00	=1.00
	Ash, White	<1.00	=1.00
	Beech, American	<1.00	=1.00
	Birch, Black-Sweet	<1.00	=1.00
	Birch, Red (River)	<1.00	=1.00
	Birch, White	1.34	=1.00
	Box Elder	2.02	=1.00

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Pollen, Tree	Cedar, Mountain	<1.00	=1.00
	Cedar, Red	<1.00	=1.00
	Cottonwood, Eastern (Common)	<1.00	=1.00
	Cottonwood, Western	<1.00	=1.00
	Elm, American	<1.00	=1.00
	Elm, Cedar	<1.00	=1.00
	Hickory, Shagbark	<1.00	=1.00
	Juniper, Western	<1.00	=1.00
	Maple, Red	<1.00	=1.00
	Maple, Silver	<1.00	=1.00
	Maple, Sugar	<1.00	=1.00
	Mulberry, Red	<1.00	=1.00
	Mulberry, White	<1.00	=1.00
	Oak, Red	<1.00	=1.00
	Oak, Virginia Live	<1.00	=1.00
	Oak, White	<1.00	=1.00
	Palm, Queen	<1.00	=1.00
	Pecan, Pollen	<1.00	=1.00
	Pine, White (Eastern)	<1.00	=1.00
	Pine, Yellow	<1.00	=1.00
Poplar, White	<1.00	=1.00	
Sweet Gum	<1.00	=1.00	
Sycamore, American (Eastern)	<1.00	=1.00	
Walnut, Black	<1.00	=1.00	
Willow, Black	<1.00	=1.00	

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Pollen, Weed	Dandelion	<1.00	=1.00
	Dog Fennel	<1.00	=1.00
	Goldenrod	<1.00	=1.00
	Lamb's Quarters	8.16	=1.00
	Mugwort	<1.00	=1.00
	Nettle	<1.00	=1.00
	Pigweed, Rough Redroot	<1.00	=1.00
	Pigweed, Spiny	<1.00	=1.00
	Plantain, English	<1.00	=1.00
	Ragweed (Mixed)	<1.00	=1.00
	Rumex spp. mix (Yellow Dock, Sheep Sorrel)	<1.00	=1.00
	Sagebrush, Common	1.49	=1.00
	Thistle, Russian (Tumbleweed)	<1.00	=1.00

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Glossary

IgE Environmental

Allergy is defined as "a hypersensitivity reaction mediated by immunological mechanisms" which can be antibody or cell-mediated. In the majority of cases, the antibody typically responsible for an allergic reaction belongs to the IgE isotype and individuals may be referred to as suffering from an IgE-mediated allergic disease, e.g IgE-mediated asthma.

The immune response in allergy begins with sensitization. When, for example, house dust mite or pollen allergens are inhaled, antigen presenting cells in the epithelium lining of the airways of the lungs and nose internalize, process and then express these allergens on their cell surface. The allergens are then presented to other cells involved in the immune response, particularly T-lymphocytes. Production of allergen-specific IgE antibodies completes the immune response known as sensitization. Upon re exposure, binding of the allergen to IgE orchestrates the immune system to initiate a more aggressive and rapid memory response. IgE-mediated allergic response causes mild to severe symptoms like, "hives", tearing and redness of the eye, lip and swelling of tongue, trouble speaking, trouble inhaling, nausea, vomiting, abdominal pain, weak pulse, loss of consciousness, anxiety, agitation, etc.

The measurement of allergen specific IgE antibodies in serum is of similar diagnostic value to that of skin tests but has a much higher reproducibility and is not influenced by ongoing symptoms or treatment, e.g., antihistamines or anti-inflammatory therapy. In some instances, especially in food allergic individuals where, in rare cases, even skin prick testing with minute amounts of allergen might cause an anaphylactic reaction, invitro tests using blood samples is a safe method to determine levels of specific IgE antibodies. In-vitro tests are also preferred for individuals who have widespread eczema, which precludes skin prick testing. The general availability of well-standardized in-vitro allergy tests has greatly improved the quality of allergy diagnosis & treatment.

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