

Associate Code	: SD/45	Received On	: 09-10-2020
Patient's Name	: Mrs. REENA DUTTA	Reported On	: 15-10-2020
ID Number	: 1344	Age /Sex	: 30/F
Referring by	: Dr. C.DUTTA	Sample Source	: TATA

Test	Result	Units	Biological Ref.ranges		Method
Total IgE :	349.1	IU/mL	Age (Year)	IU/mL	CLIA
			0-1	1.4 - 52.3	
			1-4	0.4 - 351.6	
			5-9	0.5 - 393.0	
			10-15	1.9 - 170.0	
			Adult	0 - 378.0	

- Elevated Total IgE is observed in only 30% of patients with allergic rhinitis, 60% of patients with asthma and in 80 - 90% of patients with significant atopic eczema. It can also be elevated in 10 - 20% of patients with non-allergic rhinitis or non-allergic asthma, or other conditions such as allergic bronchopulmonary aspergillosis, some forms of immunodeficiency, neoplasia such as lymphoma, and parasitic disease. The measurement of Total IgE is the sum total of multiple individual allergen specific IgE levels.
- Atopic allergy implies a familial tendency to manifest conditions like Asthma, Rhinitis, Urticaria and Eczematous dermatitis either alone or in association with the presence of IgE.

Allergy blood tests detect and measure the amount of allergen-specific antibodies in your blood. When you come into contact with an allergy trigger, known as an allergen, your body makes antibodies against it.

The antibodies tell cells in your body to release certain chemicals. These chemicals are what cause allergy symptoms. Immunoglobulin E (IgE) is an antibody that's strongly linked to the body's allergy response.

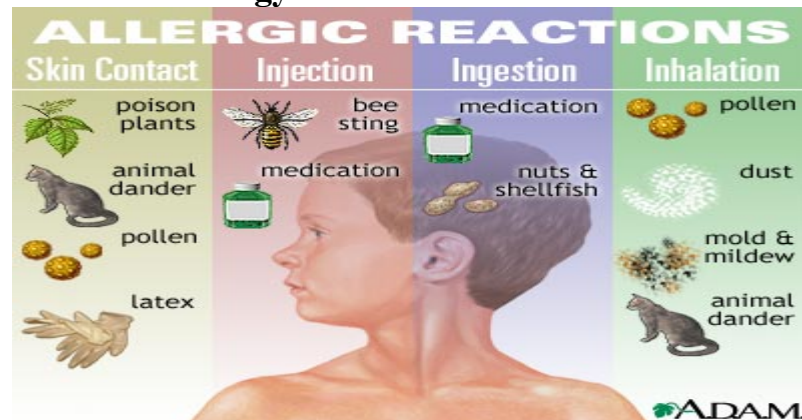
Allergy blood tests usually screen for at least 10 of the most common allergy triggers, including dust, pet dander, trees, grasses, weeds, and molds related to where you live. They are also particularly helpful in diagnosing food allergies.

Food Allergy



Food allergy is an immune system reaction that occurs soon after eating a certain food. Even a tiny amount of the allergy-causing food can trigger signs and symptoms such as digestive problems, hives or swollen airways.

Inhalants Allergy



Identify Indoor Household Allergies and Outdoor Seasonal Allergies. The IgE Inhalants Profile is a blood test that measures IgE antibodies to 16 common indoor and outdoor inhalants specific to 18 North American geographic regions. The profile also includes a total IgE measurement.

Red irritated eyes, constant sneezing, runny nose are common symptoms of inhalant allergies. Typical inhalant allergens are pollens from grasses, trees and weeds, mold spores, pet dander, and dust mites.

Sr.No	Name of the Allergen	Results	Units	Bio.Ref.Interval
Allergy Inhalants Report				
1	Dermatophagoides farina 	0.28	U/L	0.35
2	Dermatophagoides pteronyssinus 	0.12	U/L	0.35
3	Cat dander 	0.22	U/L	0.35
4	Dog dander 	0.26	U/L	0.35
5	Cotton Dust 	0.31	U/L	0.35

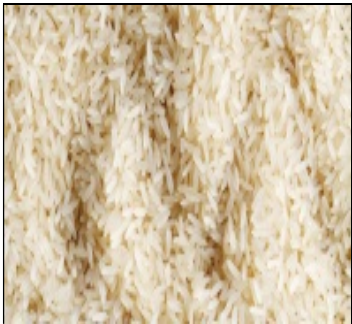
6	House dust 	0.97	U/L	0.35
7	Jute Dust 	0.16	U/L	0.35
8	Ryegrass 	0.25	U/L	0.35
9	Maize grass 	0.25	U/L	0.35
10	Cockroach 	0.10	U/L	0.35

11	Alternaria alternata 	0.10	U/L	0.35
12	Honey Bee 	0.14	U/L	0.35
13	Pigeon feathers 	0.31	U/L	0.35
14	Maize grass 	0.15	U/L	0.35
15	Sweet vernal grass 	0.22	U/L	0.35

16	Eucalyptus 	0.21	U/L	0.35
ALLERGY FOOD (VEG) REPORT				
17	Bitter Guard 	0.10	U/L	0.35
18	Brinjal 	0.21	U/L	0.35
19	Tomato 	0.22	U/L	0.35
20	Taro Root 	0.16	U/L	0.35

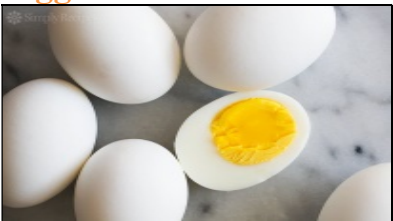
21	Potato		0.28	U/L	0.35
22	Spinach		0.13	U/L	0.35
23	Broccoli		0.10	U/L	0.35
24	Cabbage		0.20	U/L	0.35
25	Milk		0.21	U/L	0.35

26	Butter		0.27	U/L	0.35
27	Goat milk		0.31	U/L	0.35
28	Mango		0.28	U/L	0.35
29	Banana		0.31	U/L	0.35
30	Papaya		0.27	U/L	0.35
31	Apricot		0.10	U/L	0.35

32	Ghee		0.22	U/L	0.35
33	Rice		0.19	U/L	0.35
34	Ground Nut		0.31	U/L	0.35
35	Almond		0.22	U/L	0.35

36	Cashew nut 	0.18	U/L	0.35
37	Oats 	0.31	U/L	0.35
38	Moong Dal 	0.22	U/L	0.35
39	Rajma Dal 	0.14	U/L	0.35

40	Maize/Corn 	0.28	U/L	0.35
41	Coconut 	0.21	U/L	0.35
42	Yeast 	0.38	U/L	0.35
43	Tobacco 	0.20	U/L	0.35
ALLERGY FOOD (NON-VEG) REPORT				
44	Beef 	0.28	U/L	0.35

45	Whole egg 	0.27	U/L	0.35
46	Egg white 	0.16	U/L	0.35
47	Mutton 	0.31	U/L	0.35
48	Pork 	0.22	U/L	0.35
49	Chicken 	0.10	U/L	0.35

50	Lobster		0.27	U/L	0.35
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Normal Range / Cut off for all allergens is : 0.35 U/L

False positives occur in the following scenarios:

- *You have a small amount of IgE antibody to allergen but are not be truly allergic to that. You can contact the allergen and experience absolutely no reaction to it.*

Interpretation

- Substances that cause an allergic reaction are called allergens. Besides dust and pollen, other common allergens include animal dander, foods, including nuts and shellfish, and certain medicines, such as penicillin.
- Allergy symptoms can range from sneezing and a stuffy nose to a life-threatening complication called anaphylactic shock. Allergy blood tests measure the amount of IgE antibodies in the blood. A small amount of IgE antibodies is normal. A larger amount of IgE may mean you have an allergy.

Method: ELISA

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