

Patient Name : Mr. MANTHAN
Age/Sex : 16 Y/Male
Patient ID : 012212140015



Reference : Self
Organization :
Org Address :

Registered On : 14/Dec/2022 07:49AM
Collected On : 14/Dec/2022 09:22AM
Reported On : 17/Dec/2022 05:19PM
UHID :

BIOCHEMISTRY

allergy comprehensive panel

Specimen: Serum

Allergy comprehensive panel plus

Serum

Vegetables Panel and fruits Panel

Allergen	Concentration	Units
Vinegar	0.02	[kU/l]
Spinach	0.04	[kU/l]
Wheat Flour	0.06	[kU/l]
Mono Sodium Glutamate	0.08	[kU/l]
Almond	0.03	[kU/l]
Ajinomoto	0.18	[kU/l]
Alpha Lactoalbumin	7.90	[kU/l]
Apples	0.17	[kU/l]
Areca Nut	0.03	[kU/l]
Bangal Gram	0.10	[kU/l]
Banana	0.09	[kU/l]
Bajra	0.18	[kU/l]
Basil	0.10	[kU/l]
Barely	0.07	[kU/l]
Bovine Serum Albumin	0.19	[kU/l]
Pepper (Red/Black)	0.10	[kU/l]
Beta Lactoalbumin	9.04	[kU/l]
Brewers Yeast	6.00	[kU/l]
Brinjal	0.09	[kU/l]
Cherry	0.05	[kU/l]
Cheese	0.10	[kU/l]
Cheeku	0.04	[kU/l]
Celery	0.03	[kU/l]
Cashew Nut	0.10	[kU/l]
Cauliflower	0.17	[kU/l]
Carrot	0.13	[kU/l]



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Casein	0.14	[kU/l]
Cabbage	0.01	[kU/l]
Cardamom	0.17	[kU/l]
Coffee	0.02	[kU/l]
Coriander	0.14	[kU/l]
Corn Maze	0.13	[kU/l]
Cotton Seed	0.14	[kU/l]
Cucumber	0.13	[kU/l]
Coconut	0.14	[kU/l]
Clove	0.21	[kU/l]
Cinnamon	8.80	[kU/l]
Chilly	0.01	[kU/l]
Chocolate	0.13	[kU/l]
Dates	0.17	[kU/l]
Cumin	0.02	[kU/l]
Curd	0.04	[kU/l]
Piegon Peas	0.02	[kU/l]
Drumstick	0.17	[kU/l]
Fermented food	0.02	[kU/l]
Gum Acasia	0.17	[kU/l]
Grape Fruits	0.12	[kU/l]
Ginger	0.17	[kU/l]
Gluten	0.07	[kU/l]
Gelatin	0.10	[kU/l]
Garlic	0.01	[kU/l]
Hazel Nut	0.12	[kU/l]
Kattha	0.13	[kU/l]
Kiwi	0.01	[kU/l]
Lady Finger	0.17	[kU/l]
Lemon	0.13	[kU/l]
Lettuce	0.17	[kU/l]
Mango	0.02	[kU/l]
Melon	0.17	[kU/l]
Milk	0.02	[kU/l]




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Mushrooms	11.40	[kU/l]
Mustard	0.17	[kU/l]
Oat	0.02	[kU/l]
Onions	0.04	[kU/l]
Orange	0.03	[kU/l]
Peas	0.07	[kU/l]
Peanut/Ground Nut	0.07	[kU/l]
Papaya	0.10	[kU/l]
Peach	0.05	[kU/l]
Pineapple	0.07	[kU/l]
Rice	0.19	[kU/l]
Rajma	0.10	[kU/l]
Raisin	0.04	[kU/l]
Potato	0.02	[kU/l]
Pista	0.17	[kU/l]
Yeast	9.02	[kU/l]
Whitebean	0.01	[kU/l]
Tomatoes	0.02	[kU/l]
Tea	0.04	[kU/l]
Turmeric	0.08	[kU/l]
Walnut	0.01	[kU/l]
Saunf	0.03	[kU/l]

Non Veg Food Panel

Allergen	Concentration	Units
Beef	0.12	[kU/l]
Blue Mussel	0.29	[kU/l]
Chicken	0.23	[kU/l]
Cod Fish	0.13	[kU/l]
Haddock	0.17	[kU/l]
Turkey	0.01	[kU/l]
Tuna	0.17	[kU/l]
Trout	0.13	[kU/l]
Shrimp	0.02	[kU/l]
Prawn	0.10	[kU/l]
Pork	0.21	[kU/l]



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Plaice Fish	0.03	[kU/l]
Lamb	0.10	[kU/l]
Crab	0.07	[kU/l]
Egg White	0.16	[kU/l]
Fish	0.01	[kU/l]
Egg Yolk	0.13	[kU/l]

Mold Panel

Allergen	Concentration	Units
Aspergillus fumigatus	0.02	[kU/l]
Cladosporium herbarum	0.04	[kU/l]
Alternaria alternate	0.06	[kU/l]
Candida albicans	0.08	[kU/l]
Pencellium notatum	0.03	[kU/l]
Phoma Betae	0.18	[kU/l]
Neurospora Sitophila	0.01	[kU/l]
Aspergillus Falvus	0.17	[kU/l]
Aspergillus Niger	0.03	[kU/l]
Aspergillus Tamari	0.10	[kU/l]
Mucor Mucedo	0.09	[kU/l]
Stemphylium Botryosum	0.18	[kU/l]

Mites and Insects

Allergen	Concentration	Units
House Fly	0.19	[kU/l]
Euroglyphus Mayeni	0.10	[kU/l]
Dermatophagoides farina	10.12	[kU/l]
Ant Sting	0.01	[kU/l]
Bee Sting	0.09	[kU/l]
Butterfly	0.05	[kU/l]
Cockroach	0.10	[kU/l]
House Fly	0.04	[kU/l]
Grasshopper	0.03	[kU/l]
Waspsting	0.10	[kU/l]
Mosquito Sting	0.17	[kU/l]
Dermatophagoides pteronyssinus	0.13	[kU/l]



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Dust		
Allergen	Concentration	Units
Cotton Dust	0.17	[kU/l]
Storage Dust	9.90	[kU/l]
Grain Dust Sorghum	0.14	[kU/l]
Grain Dust Wheat	0.13	[kU/l]
Grain Dust Rice	0.14	[kU/l]
Hay Dust	0.13	[kU/l]
Straw Dust	0.14	[kU/l]
Paper Dust	0.21	[kU/l]
Danders and Contact Allergens		
Allergen	Concentration	Units
Buffalo Dander	0.13	[kU/l]
Cow Dander	0.17	[kU/l]
Dog Dander	7.02	[kU/l]
Horse Dander	0.04	[kU/l]
Ash	0.02	[kU/l]
Chicken Feather	0.17	[kU/l]
Detergent	0.02	[kU/l]
Hair Dye	0.17	[kU/l]
Jute	0.12	[kU/l]
Kapok Cotton	0.17	[kU/l]
Latex	0.07	[kU/l]
Leather	0.10	[kU/l]
Lime Stone	0.01	[kU/l]
Piegon Feather	0.12	[kU/l]
Perfume	0.13	[kU/l]
Paint	0.01	[kU/l]
Nickel	0.17	[kU/l]
Grass and Pollens		
Allergen	Concentration	Units
Acacia	0.02	[kU/l]
Adhatoda Vasica	0.17	[kU/l]
Alder	0.02	[kU/l]
Amaranthus Spinous	0.01	[kU/l]




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Argemone Mexica	0.17	[kU/l]
Arathmesia Scoparia	0.02	[kU/l]
Asalvedora Persica	0.04	[kU/l]
Azadirecheta Indica	0.03	[kU/l]
Bermudda Grass	9.07	[kU/l]
Birch	0.07	[kU/l]
Brassica Campestris	0.10	[kU/l]
Cannabis Sativa	0.05	[kU/l]
Carica Papaya	0.07	[kU/l]
Cassia Fistula	0.19	[kU/l]
Cassia Siamea	0.10	[kU/l]
Cedar	8.04	[kU/l]
Chenchrus Cilliaris	0.02	[kU/l]
Cypress	0.17	[kU/l]
English Plantain	0.12	[kU/l]
Eucalyptus	0.01	[kU/l]
Hibiscus	0.02	[kU/l]
Imperata Cylindrical	0.04	[kU/l]
Mugwort	0.08	[kU/l]
Orchard Grass	0.01	[kU/l]
Mulberry Tree	0.03	[kU/l]
Hibiscus	0.12	[kU/l]
Cynodon Dactylon	0.12	[kU/l]
Cocous Nucifora	0.12	[kU/l]
Kigelia Pinnata	0.29	[kU/l]
Juniper/Savin Tree	0.23	[kU/l]
Rageweed	0.13	[kU/l]
Poplar	0.17	[kU/l]
Perennial Rye Grass	0.01	[kU/l]
Oak	0.17	[kU/l]
Ambrosia	0.13	[kU/l]
Worm Wood	0.02	[kU/l]
Zea Mays	0.10	[kU/l]
Xanthium Strumarium	0.21	[kU/l]
Paritaria Judiaca	0.03	[kU/l]



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Sueada Fruticosa	0.10	[kU/l]
Timothy Grass	0.07	[kU/l]
Sorrel	0.16	[kU/l]
Sorghum Vulgare	0.01	[kU/l]
Rumex Dentatus	0.13	[kU/l]
Red top Bent Grass	0.13	[kU/l]
Rape	0.01	[kU/l]
Cultivated Rye	0.01	[kU/l]

Comment: CCD Marker Positive 420 U/L Pollen Induced Food Allergy

ANTIBODY CLASSES	REFERENCE RANGE (kU/L)	REMARK
0	< 0.35	No specific antibodies detected.
1	$0.35 \leq \text{slgE} < 0.7$	Very low antibody titer, frequently no clinical symptoms where sensitisation is present.
2	$0.7 \leq \text{slgE} < 3.5$	Low antibody titer, existing sensitisation, frequently with clinical symptoms in the upper range of class.
3	$3.5 \leq \text{slgE} < 17.5$	Significant antibody titer, clinical symptoms usually present.
4	$17.5 \leq \text{slgE} < 50.0$	High antibody titer, almost always with clinical symptoms.
5	$50.0 \leq \text{slgE} < 100.0$	Very high antibody titer.
6	≥ 100.0	Very high antibody titer.

Limitations of in vitro allergy diagnostics

Accurate performance of the assays according to the test instruction will lead to reliable and reproducible results. In any case, the final diagnosis should not be solely based on one type of analysis. A well-founded anamnesis and further laboratory findings should always be taken into account. Skin test as well as provocation test (if possible) are mandatory to receive the entire information needed for an optimal decision regarding the specific immunotherapy that should be applied. The clinical picture is not always in line with in vitro test results.

Negative in vitro results may occur e.g. when:

- symptoms are not IgE-mediated,
- samples were taken before the organism was able to produce antibodies against the antigen,
- IgE concentrations reached a minimum a long time after sensitisation.

Positive results with specific IgE in vitro tests do not necessarily have to correlate with clinical manifestations. Many IgE antibodies can cross-react with various allergens or redundant carbohydrate structures. Especially food allergens frequently show a negative result in vitro although clinical symptoms may be present. This phenomenon can be explained through the effect of maturing, industrial processing, cooking, or frying of the allergen. Furthermore, the allergic reaction can be induced by a metabolite of the allergen resulting from the digestive process in vivo, which cannot exactly be recapitulated by in vitro diagnostics. Above all, some food is likely to be very sensitive to the coupling procedure to the solid phase so that not all allergens which are present in the native form may be present.



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For the determination of specific IgE antibodies a variety of test systems is available. Due to the variability of the source material used for the production of allergen extracts and the manufacturing process itself the quality of the extracts used for allergy diagnostics varies significantly. Therefore the results of different test systems cannot easily be compared to each other due to the lack of international standards for both the allergens and the antibodies used in these assays. Thus, a slight deviation between different test systems cannot be ruled out and is not a general criterion for the quality of the assay. In general, identical results for different patients do not necessarily mean identical clinical manifestations.

Medical Remarks

Interpretation Ranges:

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4	$17.5 \leq \text{sIgE} < 50.0$	High antibody titer, almost always with clinical symptoms
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Limitations of in vitro allergy diagnostics

Accurate performance of the assays according to the test instruction will lead to reliable and reproducible results. In any case, the final diagnosis should not be solely based on one type of analysis. A well-founded anamnesis and further laboratory findings should always be taken into account. Skin test as well as provocation test (if possible) are mandatory to receive the entire information needed for an optimal decision regarding the specific immunotherapy that should be applied. The clinical picture is not always in line with in vitro test results.

Negative in vitro results may occur e.g. when:

- symptoms are not IgE-mediated,
- samples were taken before the organism was able to produce antibodies against the antigen,
- IgE concentrations reached a minimum a long time after sensitisation. Positive results with specific IgE in vitro tests do not necessarily have to correlate with clinical manifestations. Many IgE antibodies can cross-react with various allergens or redundant carbohydrate structures. Especially




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Medical Remarks • **CCD Marker Positive**

*** End Of Report ***




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