Name	: Mr. B D YADAV	Patient UID	: 012212170020
Age/Gender	: 54 YRS/M	Visit No	: 003
Referred Client	: SELF	Collected on	: 17/12/2022
Referred By	: HOME COLLECTION	Received on	: 17/12/2022
Doctor Name	:	Reported on	: 26/12/2022
Sample Type	: Serum - 11538065		

IMMUNOLOGY

Test Name	Results	Unit	Bio. Ref. Interval
ALLERGY COMPREHENSIVE PANEL(FOOD+INHALANT+NON VEG+DRUG)			
Total IgE	**586.40**	IU/mL	2-214

Methodology: CLIA

Comments

Immunoglobulin E (IgE) is the most important trigger molecule for allergic information. The level of IgE is low during the first year of life.Because IgE is a mediator of the allergic response, quantitative measurement of serum IgE, when integrated with other clinical indicators, can provide useful information for the differential clinical diagnosis of atopic and not-atopic disease. Patients with atopic disease, including allergic asthma, allergic rhinitis, and atopic dermatitis commonly have moderately elevated serum IgE levels. . Total serum IgE levels may also be elevated in the presence of some clinical conditions that are not related to allergy eg immunodeficiency states, auto immune disease, hodgkins disease, bronchopulmonary aspergillosis, IgE myeloma, and Sezary syndrome. . Patients with atopic diseases like Allergic asthma, Allergic rhinitis & Atopic dermatitis have moderately elevated IgE levels.

Increased Levels - Atopic/Non-atopic allergy, Hyper IgE syndrome, Parasitic infections, IgE Myeloma, Pulmonary Aspergillosis & Autoimmune diseases
Uses
• Evaluation of children with strong family history of allergies and early clinical signs of disease
• To confirm clinical expression of sensitivity to foods in patients with Anaphylactic sensitivity or with Asthma, Angioedema or Cutaneous disease
• To evaluate sensitivity to insect venom allergens particularly as an aid in defining venom specificity in those cases in which skin tests are equivocal
• To confirm the presence of IgE antibodies to certain occupational allergens
Note:
1. Normal levels of IgE do not rule out possibility of IgE dependent allergies as the diagnostic sensitivity of the test depends upon elapsed time between exposure to an allergen and testing, patient age and affected target organs.
2. No close correlation has been demonstrated between severity of allergic reaction and IgE levels.

Reference ranges
1. Clinical and Laboratory Standards Institute. Defining, establishing, and verifying reference intervals in the clinical laboratory: approved guideline. CLSI document C28–A3. Clinical and Laboratory Standards Institute, Wayne, Pa; 20082.Dati, F.R.K. Reference values for serum IgE in healthy non-atopic children and adults. Clin Chem. 1982; 28: 1556
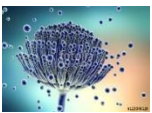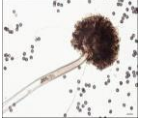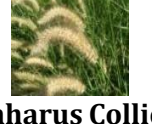
*** End Of Report ***

Name	: Mr. B D YADAV		Patient UID	: 012212170020
Age/Gender	: 54 YRS/M		Visit No	: 003
Referred Client	: SELF		Collected on	: 17/12/2022
Referred By	: HOME COLLECTION		Received on	: 17/12/2022
Doctor Name	:		Reported on	: 26/12/2022
Sample Type	: Serum - 11538065			

ALLERGY REPORT

Inhalants					
Reference Range		Normal <0.35	Borderline (0.35-0.50)	Elevated (>0.50)	
Artemisia Scoparia *(नागदोना)*	0.11	Aspergillus Fumigates *(पपूंद)*	0.17	*Amaranthus Spinosis* *(चौराई)*	0.26
AlternariaTenius *(पपूंद)*	0.19	Argemon Mexicana *(नीरिाधतयिा)*	0.03	Acacia Arabica *(फफर)*	0.18
AdhatodoVasica *(अडसा)*	**1.23**	Aspergillus Niger *(पपूंद)*	0.19	AspergillusTamarie *(पपूंद)*	0.07
Brassica Campestris *(खेतकीसयसों)*	0.23	Bajari Dust *(फजयी धर)*	0.29	Bermuda Grass *(घास)*	**0.62**
Buffalo Dust *(बसैं धर)*	0.10	Cannabias Sativa *(बाूंग)*	0.15	Candida Albicans *(पपूंद)*	0.05
Cat Dander *(बफ्लीफारोंभेंरूसी)*	**2.23**	Cenharus Collier's *(अजनघास)*	0.04	Cassia Fistula *(अभरतास)*	0.23
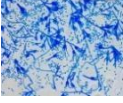
Cedrus Deodar (देवदाय)	0.08	**Chalk Powder** (चाक ऩाउडय)	0.03	**Carica Papaya** (ऩऩीते के ऩयाग)	0.06
Cladosporium Herb (पपूं द)	0.26	**Chenopodium Album** (फथआ)	**0.69**	**Cockroach Dust** (कॉक्रोच धर)	0.29
Cotton Fibre (कऩास धर)	0.32	**CocusNucifera** (नारयमर के ऩयाग)	0.09	**Cotton Dust** (कऩास धर)	0.16
Dandelion (ऩीरे प र का एक प्रकाय कान्नौधा)	0.11	**Diasy** (गरु फहाय)	0.28	**Cyperus Retunes** (साग)	0.05
Cow Dander (गामरूसी)	0.19	**Cynodon Dactylon** (दफ घास)	0.14	**Cricket** (झीूंगयु)	0.21
Dog Dander (कुत्ते की रूसी)	**0.61**	**Eucalyptus** (नीर गगयी)	0.32	**Ethylene Oxide** (एगथरीन ऑक्साइड)	0.13
Goat Danderf (फकयी फारों की रूसी)	0.27	**Feather Dust** (नखूं धर)	0.14	**Flour Mill Dust** (आटा चक्की धर)	0.08

House Dust (घय धर)	0.19	Horse Dander (घोडा फारों भें रूसी)	0.03	House Fly (भक्खी)	0.25
Junipers Communis (गलु गलु)	0.08	Jowar dust (ज्व॰ायधर)	0.29	English plantain (अग्रेजी योन्नण)	0.32
LawsoniaEnernil (भहूंदी के न्याग)	0.26	Jute Dust (जट धर)	0.16	Kegelia pinnate (फरभ खीया)	0.11
Neurospora SPP (पपूंद)	0.15	**Mosquito (भच्छय)**	**0.51**	Mugwort Sagebrush (नागदोना)	0.09
Penicillium chrysogenum (पपूं॰ द)	0.32	Paper Dust (क॰गज धर)	0.21	Parathenium (गाजय घास)	0.29
Common Ragweed (आभयगवेद)	0.11	Sheep Wool (बेड के फार)	0.16	Pine (देवदाय)	0.14
Derm.Pteronyssinus (घन्न)	**1.03**	Straw Dust (सख॰ोघ॰स)	0.04	SuaedaFructicosa (फई)	0.06

Name	: Mr. B D YADAV	Patient UID	: 012212170020
Age/Gender	: 54 YRS/M	Sample Type	: Serum - 11538065

Timothy Grass (टटभोथी घास)	0.04	*TyphaAnustata* (जूंगरीन्टेया)	0.29	*Wheat Dust* (गेहूंं धर)	0.32
Wood Dust (रकडीकाफ्ुयादा)	0.30	*Xanthium Stermarlu* (छोटाधतया)	0.12	*Zea Mays* (भकई)	0.03
Insect (कीड)	0.11	**DermFarinae** (घनु)	0.28	**Imperata Cylindrical** (घास)	0.14

Contact Allergans					
Reference Range	Normal <0.35		Borderline (0.35-50)	Elevated (>0.50)	
Lime Stone (चना नत्थय)	0.16	**Paints** (नेंट)	0.21	**Cement** (सीभेंट)	0.03
Nickel (ननकर)	0.05	**Heena** (भेहदी)	0.18	**Latex** (यफय)	0.29

Leather (चभडा)	0.32	Alcohol (शयाफ)	0.28	Detergent (डडटजेंट)	0.12
Nylon Fibre (नामरॉनयेशा)	0.11	Ash (याख)	0.19	Perfume (इत्र)	0.03
Plastic (प्रास्टटक)	0.08	Polyester (नलरमेटटय)	0.26	Powder (नाउडय)	0.17
Silk (येशभ)	0.24	Smoke (धुआ)	0.15	Tobacco (तफ़ूं ोक)	0.04
Soap (स ाफन)	0.17	Wool Mix (रकडीलभश्रण)	0.06	Yarn Fiber (येशा)	0.29
Caustic Soda (कास्टटकसोडा)	0.04	Sulphur (सल्पय)	0.26		

Name	: Mr. B D YADAV	Patient UID	: 012212170020
Age/Gender	: 54 YRS/M	Sample Type	: Serum - 11538065
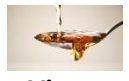
Food-Veg							
Reference Range		Normal <0.35		Borderline (0.35-0.50)		Elevated (>0.50)	
Vegetables	Results	Vegetables	Results	Vegetables	Results	Fruits	Results
Pea (भटय)	0.19	Spinach (नारक)	0.02	Brinjal(फगन)	0.15	Pomegranate (अनाय)	0.24
Carrot(गाजय)	0.08	Tomato (टभाटय)	0.23	Cucumbers (खीये)	0.03	Apple (सेफ)	0.28
Capsicum (लशभरा लभच)च	0.29	Cauliflowers (प रगोबी)	0.32	StrawBerry (टरॉफेयी)	0.10	Lady'sFinger (लबन्डी)	0.16
Potato (आर)	0.17	Tamarind(इभरी)	0.11	Melons (ख़यफज)	0.16	Mango(आभ)	0.09
Cabbage(नत्तागोबी)	0.05	Lettuce(सराद)	0.09	Beans(पलरमा)	0.20	Bananas(के रे)	0.23
Bitter gourd (कयेरा)	0.60	Radishes(भर ी)	0.16	Chilly(लभच)च	0.14	Guavas(अभरूद)	0.11
Celery(अजवामन)	0.26	Onion(प्माज)	0.18	Pineappleअनानास	0.08	Lemons(नीम्फ)	0.13
Corianders(धननमा)	0.32	Mushroom(भशरूभ)	0.09	Grapes(अग्ू य)	0.26	Papaya(ननीता)	0.21

Food-Veg

Reference Range		Normal <0.35		Borderline (0.35-0.50)		Elevated (>0.50)	
Nuts	**Results**	**Milk Products**	**Results**	**Dal**	**Results**	**Starch Foods**	**Results**
Areca nut (सनुॱ◌ायी)	0.19	Cow's Milk (दध)	0.32	Soybean (सोमाफीन)	0.13	Wheat flour (गेॱहूॱ◌ं का आटॱ)	0.27
Peanut (भगूॱ परॱ)	0.05	Curd (दही)	0.11	ChanaDal (चने की दार)	0.09	(जो)	0.32
Almond(फादाभ)	0.17	Butter(भक्खन)	0.08	Arhar Dal(अयहयकीदार)	0.52	Aniseed (सौंप)	0.49
Coconut(नारयमर)	0.16	Cheese(ननीय)	0.29	RajmaDal(याजभादार)	0.13	Oat(जई)	0.04
Walnut(azel) (अखयोट)	0.03	Casein (कै लसइन)	0.16	MoongDal (भगूॱ कॱदॱर)	0.08	Maize (भक्का)	0.29
Cashew nut (काज)	0.28	Katha (कत्था)	0.02	Masoor dal (भसय दॱर)	0.26	Rice (चावर)	0.15
Pista(पनटता)	0.14	Milk(दध)	0.27	Urad Dal(उयददार)	0.13	Bajari(फजयो)	0.20
Garlic (रहसनुॱ	0.05			Salts (नभक)	0.09	Cottonseed(कनासफीज)	0.31

Name	: Mr. B D YADAV		Patient UID	: 012212170020
Age/Gender	: 54 YRS/M		Sample Type	: Serum - 11538065

Cloves(रौंग)	0.37	Cinnamons(दारचीनी)	0.05	Sugars(चीनी)	0.19	Sesame(नतर)	0.08
Ginger(अदयक)	0.06	Cadmium(इरामची)	0.32	Teas(चाम)	0.06	Mustard(सयसों)	0.29
BlackPepper (कारी लभच)च	0.27	Cumin (जीया)	0.11	Coffees (कॉपी)	0.30	Vinegar (लसयका)	0.17
Honey(शहद)	0.19	Turmeric (हल्दी)	0.08	Sunflower(सयजभखुखो)	0.13	Tobaccos(तम्फाक)	0.04
Chocolate (चॉकरेट)	0.05	Jaggery(गडु)	0.26	Nutmeg(जामपर)	0.03	Yeast (ख़भीोय)	0.17

Food-Non Veg.							
Reference Range		Normal <0.35		Borderline (0.35-0.50)		Elevated (>0.50)	
Egg White (अडूं े का सफे द टहटसा)	0.18	Chicken	0.11	Baffalo (बसें का भाूंस)	0.09	Crab(के कडा)	0.02
Shrimp(झीूंगा)	0.32	Pork (सअुय का भाूंस)	0.05	Fish cod (कॉड भछरी)	0.17	Mutton(भटन)	0.10

Name	: Mr. B D YADAV	Patient UID	: 012212170020
Age/Gender	: 54 YRS/M	Sample Type	: Serum - 11538065

Drugs

Reference Range		Normal <0.35		Borderline (0.35-0.50)		Elevated (>0.50)	
Drug	**Results**	**Drug**	**Results**	**Drug**	**Results**	**Drug**	**Resuts**
Amoxicillin	0.17	Ampicillin	0.04	Articain	0.18	Aspirin	0.32
Brufen	0.03	Cephalosporin	0.20	Ciprofloxacin	0.05	Cloxacillin	0.11
Diclofenac	0.29	Doxycycline	0.17	Epinephrine	0.32	Erythromycin	0.29
Insulin (Human)	0.15	Ketoprofen	0.06	Metamizol	0.36	Norfloxacin	0.17
0 Ofloxacin	0.32	Phenylbutazone	0.18	Paracetamol	0.09	Penicillin	0.03
Piroxicam	0.18	Procain	0.03	Metronidazole	0.26	Azithromycin	0.22
Sulfa	0.04	Tetracycline	0.29	Gentamicin	0.04	Theophylline	0.28
Cross-reactive Carbohydrate determinants(CCD)	0.26	Oxcacillin	0.14				

HOW TO INTERPRET YOUR RESULTS

- **Elevated values >0.50 IU/mL**
  This Indicate strong antibody reaction.
  Stop intake of these foods immediately for a test 3 months.
  Choose alternate food from the same group .
  Consult your physician.

- **Borderline values 0.35- 0.50 IU/mL**
  This indicate mild to moderate antibody reaction.
  Reduced the intake of these foods for at last 3 months.
  Choose alternate food from the same group.

- **Normal Values <0.35 IU/mL**
  This indicate no significant antibody reaction .
  No Dietary restriction if there is no previous history of reaction .
  If Symptomatic ,consult your physician even though the test is negative.

Limitations:Cross-reacting carbohydrate determinates(CCDs) are responsible for the phenomenon of cross reactivity of sera from allergic patients towards wide range of allergens from plants and insects. In serum based allergy diagnosis, antibodies of the IgE class directed against CCDs therefore give the impression of polysensitization.
Diagnostic results caused by CCPs are therefore regarded as false positives.

Note : 1.All results should be interpreted in relation to the individual case history.
2 Food allergy is IgE mediated.
3 This assay does not test any intolerance arising due to enzyme deficiency or chemical sensitivity.
4 Some Individuals may show positive for many food items, which could be due to local gut pathology. It is recommended Consult your physician.