

Precision Allergy Panels

— Your Guide to Managing Allergies —



» Pediatric Allergies

among Indian children



1 in 3 Indian children suffer from allergic rhinitis



9 in 10 Children with asthma have underlying allergies



1 in 5 Indian children suffer from atopic dermatitis/eczema

Common Allergens



Food



Pollen & Grass



Dust Mite



Animal Dander



Cockroach



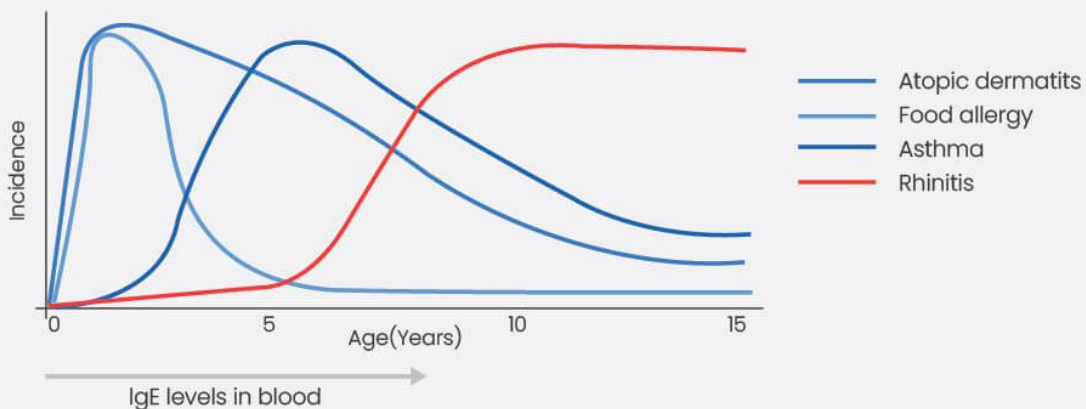
Fungus/Mould

» “Allergic March”es with age

The march generally follows this path:

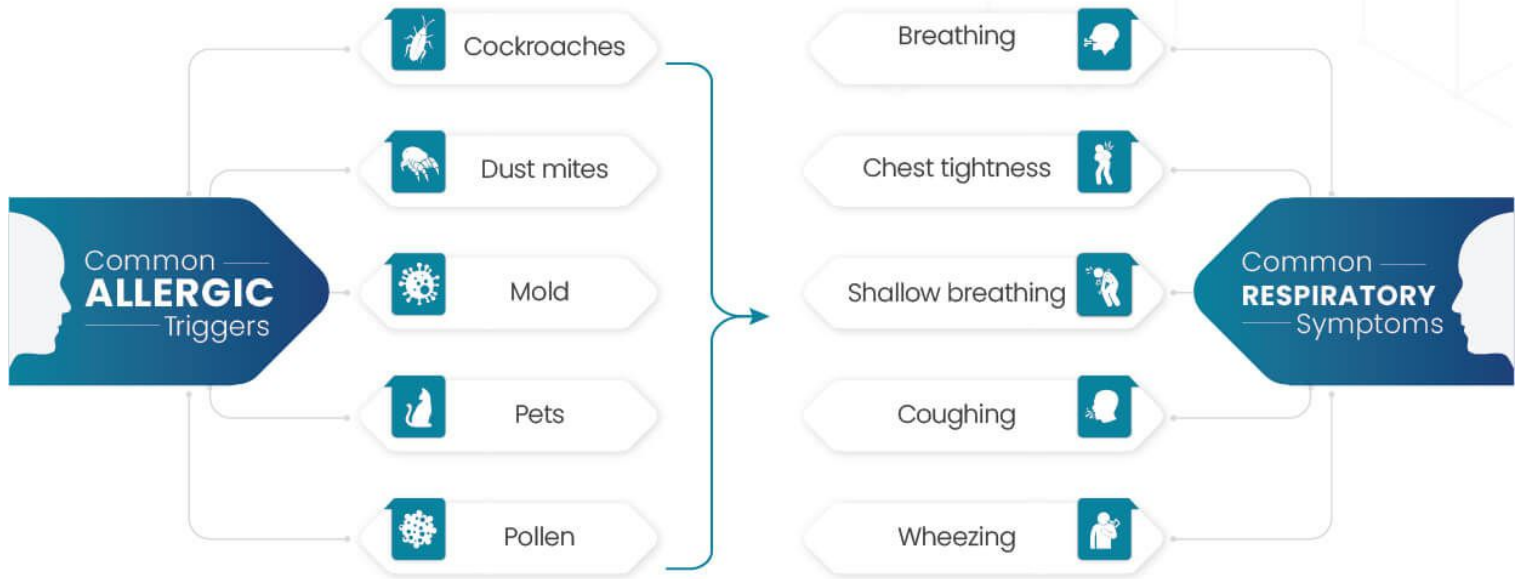


Manifestations are age - dependent



Early diagnosis and proper treatment can arrest disease progression

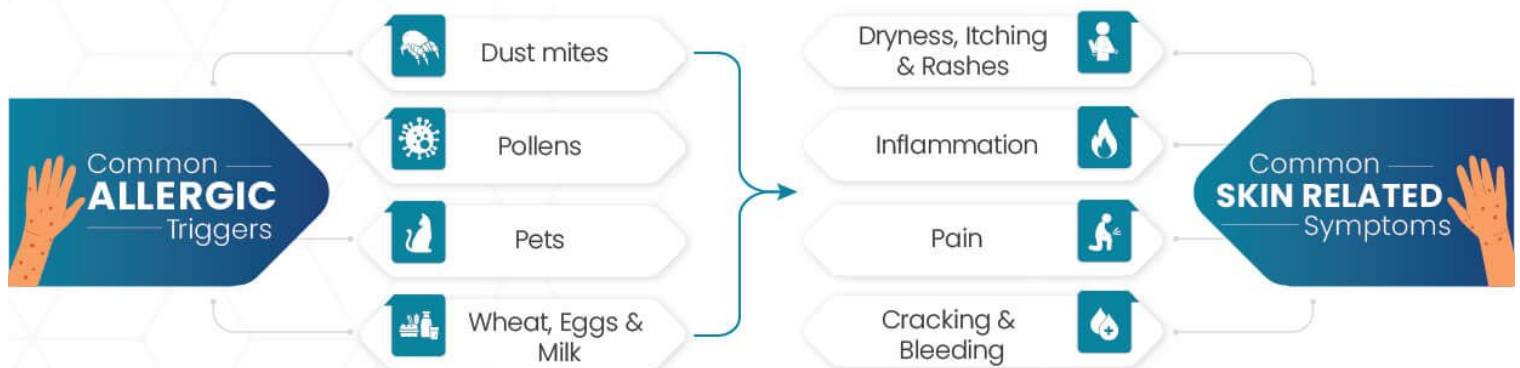
» Allergic Rhinitis







“Allergic Triggers” Can Add Up

Upto 80% allergic patients are sensitised to multiple allergens.

» Eczema



» ImmunoCAP: Clinical Highlights

-  USFDA approved test & WHO calibrated method.
-  Offers a comprehensive solution from screening to high end component resolved diagnosis.
-  Offers the advantage of singleplex testing according to the need of patient history & geography location with a wide range of symptoms and clinical condition based panels.
-  Phadiatop is a screening test to differentiate between atopy and non-atopy.



Quantitative measurement of allergen specific IgE, by using ImmunoCAP helps in different stages of patient management such as:

Diagnosis

- Identifies the offending allergen/s
- Identifies patients IgE or sensitization profile
- Facilitates individual medical treatment plans
- Evaluates severity of the symptoms due to exposure

Prognosis

- Predicts the disease development
- Helps explain 'The Allergy March' and allergen load

Follow-up

- Evaluates food tolerance development
- Reflects the effect of avoidance/ elimination

Report Illustration

Name: Ms. ID_DUMMY
Age: 22 Years
Gender: Female
CRM: xxxxxxxx

Location: CHENNAI
Lab ID: xxxxxxxx
Sample Quality: Adequate
Client: For Lab Testing

Collected: 12-07-2022 10:00
Received: 12-07-2022 16:02
Reported: 12-07-2022 17:37
Status: Final

Allergy Vegetarian + Non Vegetarian Panel (23 Parameters)

Parameters	Result	Unit	Biological Ref. Interval	Method
IgE Total	120	U/ml	Adult : 0-158, Children : <1 Yrs : 1.4 - 52.3, 1- <5 Yrs : 0.4-351.6, 5- <11 Yrs : 0.5-393, 11-Yrs : 1.9-170	CLIA
Allergen - f79 Gluten, Serum RESULT IgE LEVEL SYMPTOM <0.1 Undetectable Unlikely 0.1 - 0.5 Very low Uncommon 0.5-2.0 Low Low 2.0-15.0 Moderate Common 15 - 50 High High >50 Very high Very high	0.05 (Negative)	kUA/L	Negative: < 0.1 Positive: >= 0.1	ImmunoCAP (Fluorezyme-immunoassay)
Allergen - Shrimp (Prawn), Serum RESULT IgE LEVEL SYMPTOM <0.1 Undetectable Unlikely 0.1 - 0.5 Very low Uncommon 0.5-2.0 Low Low 2.0-15.0 Moderate Common 15 - 50 High High >50 Very high Very high	0.27 (Positive)	kUA/L	Negative: < 0.1 Positive: >= 0.1	ImmunoCAP (Fluorezyme-immunoassay)
Allergen - Tomato, Serum RESULT IgE LEVEL SYMPTOM <0.1 Undetectable Unlikely 0.1 - 0.5 Very low Uncommon 0.5-2.0 Low Low 2.0-15.0 Moderate Common 15 - 50 High High >50 Very high Very high	0.14 (Positive)	kUA/L	Negative: < 0.1 Positive: >= 0.1	ImmunoCAP (Fluorezyme-immunoassay)

Clinical Significance :

A normal concentration of total IgE does not eliminate the possibility of allergic disease. In patients with a high index of suspicion for allergic disease, testing for allergen-specific IgE may be warranted. The probability of finding an increased level of total IgE in serum in a patient with allergic disease varies directly with the number of different allergens to which the patient is sensitized. Normal levels of total IgE in serum occur in some patients with allergic disease, especially if there is sensitivity to a limited number of allergens and limited end organ involvement.

----- End Of Report -----

Test Ordering Information

Test Code	Test Name	Parameter Details
A0322	Allergy Adult Comprehensive Panel (29 Parameters)	Peanut, Wheat, Soyabean, Cow Milk, Egg White, Cod Fish, Shrimp, Blue Mussel, Dermatophagoides Farinae, Dermatophagoides Pteronyssinus, House Dust Geer, Cockroach, Cat Dander, Dog Dander, Alternaria alternata, Aspergillus fumigatus, Penicillium notatum, Candida, Cynodon or bermuda or dhoob grass, Common ragweed or congress grass, Common pigweed, Johnson Grass, Alder, Papdi Chibil, Birch, Mesquite, Goose Foot, Mugwort, Total IgE
A0188	Allergen - Phadiatop Infant (Individuals Below 5 Years), Serum (7 Parameters)	Egg White, Cod Fish, Wheat, Peanut, Soyabean, Cow Milk, Total IgE
A0102	Allergy - Drug Panel (10 Parameters)	ACTH, Penicillin V, Penicillin G, Human Insulin, Diclofenac, Ibuprofen, Paracetamol, Ciprofloxacin, Sulfa, Total IgE
A0320	Allergy Environmental Panel (28 Parameters)	Phadiatop, Cat dander, Dog dander, Common Ragweed (Ambrosia Elatior) Close To Parthenium / Congress Grass, House Dust (Greer Labs), Oak, D Pterysinuss (House Dust Mite), Cockroach German (Blatella Germanica), Papdi Chibil / Elm, Penicillium Notatum (Fungi), Cladosporium Herbarum (Fungi), Aspergillus Fumigatus (Fungi), Candida Albicans (Fungi), Alternaria (Fungi), Cynodon grass (Bermuda Grass / Durva), Sorghum grass (Jhonson Grass / Jowar), Timothy grass (Phleum pratense / Ghass), Meadow grass (Poa pratensis), Cultivated Rye (Secale Cereale), Mugwort (Artemisia Vulgaris / Bano, Barna, Sita Bani, Alder (Alnus incana), Birch (Betula verrucosa), Oak (Quercus alba), Saltwort (Salsola kali / pestifer), Common Pigweed (Amaranthus Retroflexus / Kaantewali Chauli), Total IgE
A0105	Allergy Dust Panel (5 Parameters)	House Dust (Greer Labs), D Farinae, D Pteronsysinus, Cockroach, Total IgE
A0310	Allergy Weeds Pollen Panel (6 Parameters)	Common Ragweed, Mugwort, Plantain English, Goosefoot, Salwort, Total IgE
A0316	Allergy Trees Pollen Panel (5 Parameters)	Alder(Alnus incana), Birch (Betula verrucosa), Oak (Quercus alba), Willow (Salix capera), Total IgE
A0317	Allergy Mold Panel (6 Parameters)	Pencilium notatum, Cladosporium herbarum, Aspergillus fumigatus, Candida albicans, Alternaria tenius, Total IgE
A0311	Allergy Grass Panel (5 Parameters)	Cynodon Grass (Bermuda Grass/Durva), Sorghum Grass (Jhonson Grass/ Jowar), Timothy Grass(Phleum Pratense/Ghass), Meadow Grass (Poa Pratensis), Total IgE
A0309	Allergy Animal Dander Panel (6 Parameters)	Cat dander, Dog dander, Horse dander, Cow dander, Guinea pig epithelium, Total IgE
A0318	Allergy GIT Panel (33 Parameters)	Wheat, Peanut, Soyabean, Cow Milk, Almond, Coconut, Cashew Nut, Tomato, Yeast, Garlic, Onion, Celery, Banana, Pineapple, Apple, Gluten, Spinach, Cabbage, Caprica, Potato, Lentil, Rice, Corn, Chick Pea, Casien, Brinjal, Lemon, Olive, Brazilnut, Hazelnut, Pear, Peach, Total IgE
A0324	Allergy Vegetarian + Non Vegetarian Panel (23 Parameters)	Egg White, Wheat, Peanut, Soyabean, Cow Milk, Chicken Meat, Beef, Pork, Egg Yolk, Cod Fish, Shrimp, Tuna, Salmon, Blue Mussel, Pineapple, Lemon, Rice, Lentil, Olive, Tomato, Garlic, Onion, Total IgE
A0323	Allergy Vegetarian Panel (12 Parameters)	Cow Milk, Lemon, Pineapple, Peanut, Potato, Wheat, Rice, Soyabean, Lentils, Tomato, Olive, Total IgE
A0321	Allergy Non- Vegeterian Panel (11 Parameters)	Pork (Sus Spp.), Egg Yolk (Anda), Chicken Meat (Gallus Spp./ Murgi), Beef (Bos spp), Salmon (Salmo Salar / Rawas), Tuna (Thunnus Albacares), Shrimp / Prawns, Cod Fish (Gadus Morhua / Machhli), Blue Mussel (Mytilus Edulis), Egg White (Anda), Total IgE
A0312	Allergy Vegetable Panel (9 Parameters)	Tomato (Lycopersicon Lycopersicum / Tamatar), Yeast (Saccharomyces Cerevisiae/Bakers Yeast), Garlic (Allium Sativum / Lehsoun), Onion (Allium Ceba / Piaz), Celery (Apium Graveolens), Spinach (Spinachia Oleracea / Palak), Cabbage (Brassica Oleraceavar.Capitata / Gobi), Paprica (Capsicum Annum / Simla Mirchi / Bell Pepper), Total IgE.
A0314	Allergy Nuts Panel (10 Parameters)	Almond, Brazil Nut, Hazelnut, Peanut, Cashewnut, Pecanut, Walnut, Pistachio, Coconut, Total IgE
A0313	Allergy Fruit Panel (9 Parameters)	Apple (Malus X Domestica / Safarchand), Banana (Musa Spp. / Kela), Pear (Pyrus Communis), Peach (Prunus persica), Papaya (Carica papaya), Kiwi Fruit (Actinidia Deliciosa), Mango (Mangifera Indica), Pineapple (Ananas Comosus / Ananas), Total IgE
A0319	Allergy Spices Panel (8 Parameters)	Basil (Tulsi)(Ocimum Basilicum), Black Pepper (Piper Nigrum), Cardamon (Elettaria Cardamomum), Chilipepper (Capsicum Frutescens), Clove (Syzygium Aromaticum), Coriander (Coriandrum Sativum), Mustard (Brassica/Sinapis Spp.), Total IgE
A0315	Allergy Milk & Milk Product Panel (6 Parameters)	Milk, Alpha Lactalbumin, Beta Lactoglobulin, Casein, Bovine Serum Albumin, IgE
A0112	Allergy Screening Phadiatop	Total IgE
HSP007	Allergy Comprehensive 224 Allergens by EIA	Animal proteins and animal dander, Dust, Drugs (such as antibiotics or medicines you put on your skin), Food (such as Egg, Milk, Soy, Fish, Animal Meat, and Wheat), Fungal spores, Insect and mite feces, Insect bites and stings (their venom), Natural rubber latex, Pollen

Method : ImmunoCAP

Specimen : 3ml Serum in SST/Red Top (No Additive) tube

TAT : Sample daily; Report within 48hrs

