

MicroArray

300 Different Allergens Detected

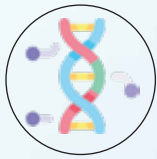
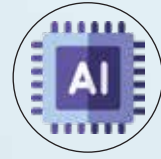
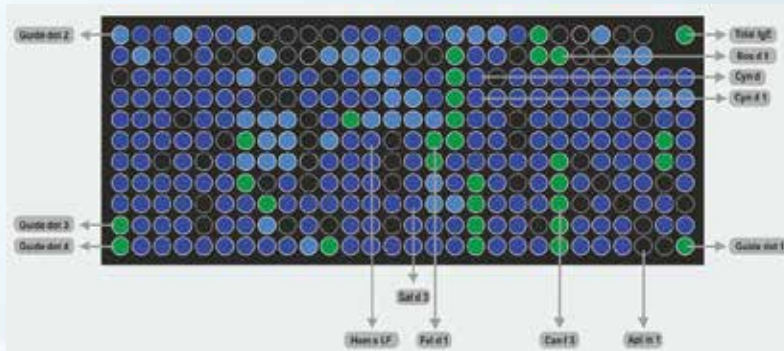


Multiplex Advantages

All-in-One Allergy Testing

Component Resolved Diagnostics (CRD)



MOLECULAR
ALLERGOLOGYNANO
TECHNOLOGYARTIFICIAL
INTELLIGENCE

Multiplex Allergy MicroArray Test
Molecular Allergens
Total IgE + Specific IgE Estimation
IgE Sensitization Profiling

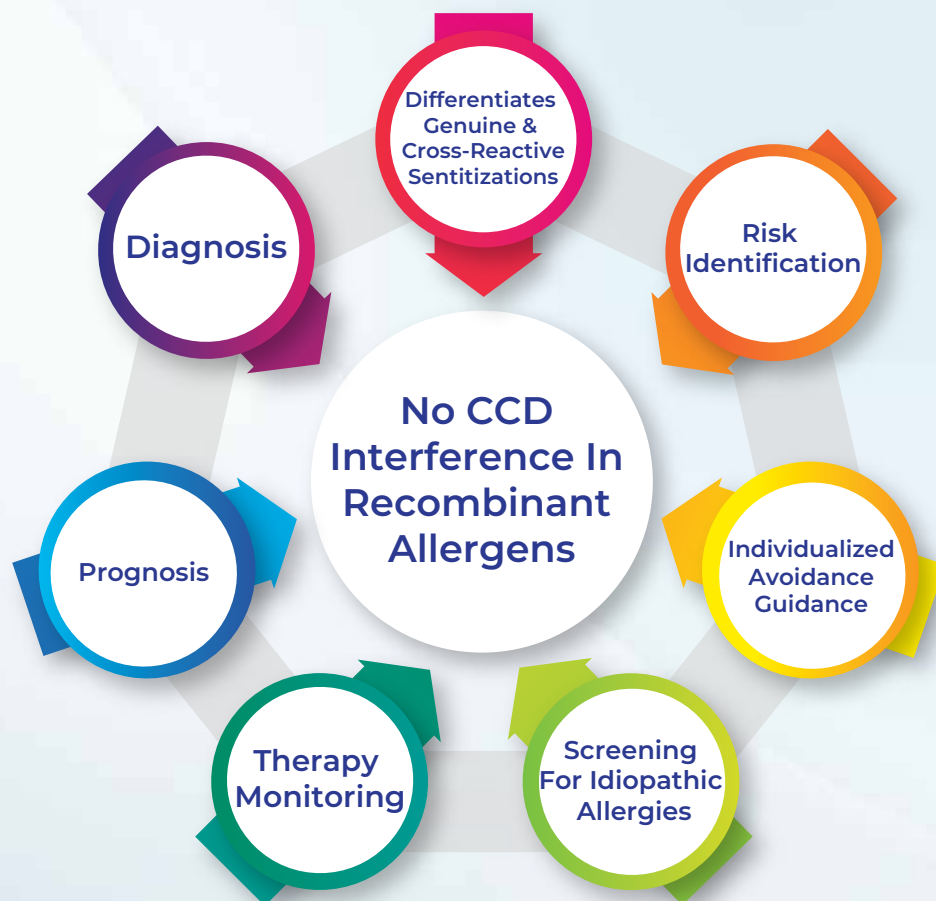
CCD inhibition – Reduces False Positives
No CCD Cross-Reactions
Diagnosis, Prognosis & AIT Direction
Automated Reporting

Allergy Testing By ALEX-Microarray Technology-CRD

- Allergy Explorer is an in-vitro multiplex allergy test that allows simultaneous measurement of total IgE (tIgE) and specific IgE (sIgE) antibodies against nearly 300 different allergens, from a single run of a patient sample.
- Conventional singleplex allergy test systems can be laborious in obtaining a comprehensive IgE sensitization profile of patients. Often, several testing cycles are required to reach clear diagnosis, and total IgE is tested separately. To streamline this fragmented approach, ALEX gives you a near complete picture of patient's allergic situation, including total IgE levels.
- ALEX has been developed based on a proprietary nanobead technology, ensuring optimization of every individual allergen immobilized on the solid phase.
- This harmonious integration of Macro Level Diagnostics (total IgE Level), Micro Level Diagnostics (specific IgE against purified protein extracts) and Core Level (specific IgE against molecular components) allows ALEX to create a detailed understanding of an individual's allergy status.

Component Resolved Diagnostics Ensuring Composite Allergy Diagnosis

- 4th generation Allergy Testing Technology.
- Allergy Screening, Diagnosis, Prognosis & Monitoring together.
- Raptor Analysis Software.
- Multiplex Assay (All - in one - Run).
- Nanotechnology Makes 300 Allergens in One Run Possible.
- Recombinant DNA Derived Specific Molecular Allergens.
- CCD inhibition - Reduces False Positives.
- Molecular Allergens-High Specificity 95.9% & Sensitivity 99%.
- True IgE Profiling: Total IgE + Protein Family Identification in one run.
- Clinically Relevant Reporting owing to Molecular Allergology.
- All Individual Allergens & No Mixes.
- AI Driven Automated Reporting Software.
- True IgE Profiling.
- Low Allergen Consumption.



Latest
Technology

- » Microarray
- » Nanotechnology
- » Molecular Allergens

- » Protein Family Identification / Discrimination
- » Artificial Intelligence

Purity

- » Higher Specificity
- » Molecular Allergens
- » Purified Components

Single Run

- » 300 Allergens
- » Total IgE
- » Specific IgE

- » Controls
- » Calibrators
- » Automated Report

No
Cross-
Reactions

- » Molecular Allergens
- » CCD Inhibition

Allergen
Sources

- » Mites
- » Dander
- » Latex

- » Food
- » Pollen
- » Molds

Automated
Report

- » AI Driven
- » Cloud Computing
- » Updated Allergen Database
- » Severity Prognosis
- » Homology Differentiation
- » AIT Direction

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.

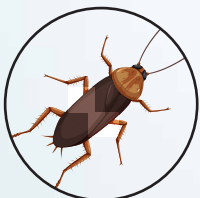
Allergy by Microrray Technique – Report Format

Lab report: Summary on detectable sensitisations

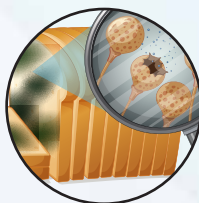
Pollen	Grass Pollen	0	Cross-reactive Allergen Families Polcalcin 0 Profilin 0 PR-10 0 Ole e 1 Family 0 LTPs 2 Storage Proteins 0 Lipocalins 2 NPC2 0 Serum albumin 0 Parvalbumin 0 Tropomyosin 0 CCD 0 Uteroglobulin 0 Arginine kinase 0 Total IgE (kU/L) 600
	Tree Pollen	0	
	Weed Pollen	2	
Mites	House Dust Mites & Storage Mites	2	
Microorganisms	Fungal Spores & Yeast	3	
Plant-Based Food	Legumes	0	
	Grain	0	
	Spices	0	
	Fruits	2	
	Vegetables	0	
	Nuts & Seeds	0	
Animal-Derived Food	Milk	0	
	Egg	0	
	Fish & Seafood	1	
	Meat	3	
Insects & Venoms	Ant, Bee, Wasp	2	
	Cockroach	2	
	Pets	0	
	Animal	0	
	Latex	0	
	Ficus & Hops	0	
	CCD	0	
	Parasite	0	

Highest measured IgE concentration per allergen group				
<0.3 kUA/L	0.3 - 1 kUA/L	1 - 5 kUA/L	5 - 15 kUA/L	> 15 kUA/L
0	1	2	3	4
Negative or uncertain	Low IgE level	Moderate IgE level	High IgE level	Very High IgE levels

Common Allergens



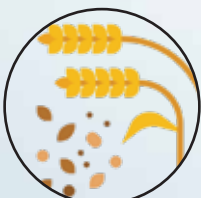
Cockroach



Fungus/Mould



Animals



Pollen & Grass



Food



Dust Mite

Allergies Among Indians



1 in 3 Indians suffer from allergic rhinitis



9 in 10 Indians with asthma have underlying allergies



1 in 5 Indians suffer from atopic Dermatitis/eczema.

Allergy Panel

Allergy Screen Adult / infants

Allergy Panel - Dust

Allergy - Food - Nonvegetarian Pane

Allergy - Fruit Panel

Allergy - Insects Panel

Allergy - Mold - 2 Panel

Allergy - Mold - 1 Panel

Allergy - Trees Pollen Panel

Veg Food Allergy Panel

Rhinitis/ Cough Allergy Panel

Allergen - Rhinitis/Asthma Indoor Inhalants Panel

Non-veg & Veg Food Allergy Panel

Comprehensive Food Allergy Panel

Hypersensitivity pneumonitis Panel

Allergy - Screening - Tryptase

Allergy - Outdoor Panel

ABPA Panel

Allergen - Extended Rhinitis/Asthma panel - Child

Pollution Allergy Panel

Grass Pollens Panel

Atopic Dermatitis / Urticaria Allergy Panel

Comprehensive Allergy Panel Adult / Infant

Allergy Panel-Drugs

Allergy - Vegetable - 1 Panel

ABPA MINI PANEL

Allergy - Oil Panel

Extended Eczema Panel

We are operating in the following Indian cities:

Our National Reference Lab:
Begumpet, Hyderabad

Our North HUB:
Noida, UP

Our Regional Labs:

Vijayawada Patna
Bengaluru Guntur
Chandigarh Jammu
Warangal Kurnool
Anantapur Visakhapatnam
.... and counting

Our Satellite Labs:

Karimnagar
Rajahmundry
Khammam
Nizamabad
Mahabubnagar
.... and counting

Corporate Office

H.No. 286/A, Sri Mahaan Heights,
4th Floor, Rd.No. 12, Banjara Hills,
Hyderabad, Telangana - 500034

☎ 040 2304 2102

National Reference Lab

H.No. 31, St. No. 5, Prakash Nagar,
Begumpet, Hyderabad,
Telangana - 500016

☎ 040 3510 2102

Regional Reference Lab

P.No. 270, Near Hindi Khabar,
C Block, sector 63, Noida,
Uttar Pradesh - 201301.

☎ 0120 4166 342