



Allergy Testing: For Early Childhood Intervention in Allergic Disease

**Allergen, Childhood Panel:
Test Code 800844**

**Allergen, Arizona Desert Panel:
Test Code 800843**

**Allergen, Arizona Mountain Panel:
Test Code 800845**

**Allergy symptom relief today.
Reduced allergic asthma
prevalence tomorrow.^{1,2}**

Childhood allergy testing with ImmunoCAP®



IDENTIFY ALLERGIES EARLY³

Along with acute symptoms, childhood allergies can have long-term consequences.

- Allergic diseases affect more than 1 in 5 Americans⁵ and often first appear in infancy or childhood
- Allergies may underlie many common childhood conditions: eczema, gastrointestinal distress, recurrent ear infections, rhinitis, asthma

Identifying allergic triggers in children can:

- Definitely pinpoint specific allergens to avoid
- Help you manage allergic symptoms of eczema, gastrointestinal distress, recurrent ear infections, rhinitis and asthma
- Delay the onset of allergic asthma or decrease its severity

Periodic IgE testing also helps identify changing sensitivities over time.

TRACKING THE CONNECTIONS

UP TO
90%

Children with asthma have been shown to be atopic by skin or serum IgE testing⁶

UP TO
80%

Childhood atopic dermatitis sufferers who progress to allergic rhinitis or asthma⁴

56%

Reduction in asthma prevalence in high-risk children resulting from multi-faceted intervention^{1,2}**

*12-46% of patients without asthma have also been shown to be atopic.⁶

**Intervention includes reduced exposure to allergic and non-allergic triggers.



The Allergy
March



ATOPIC
DERMATITIS



GASTROINTESTINAL
DISTRESS



RECURRENT
OTITIS MEDIA



ALLERGIC
RHINITIS



ALLERGIC
ASTHMA



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Avoidance: An important key to relief



1. Identify the allergic triggers with ImmunoCAP



2. Counsel patients on avoidance of allergic triggers



3. Result: Reduced symptoms and lower allergic asthma prevalence^{1,2}

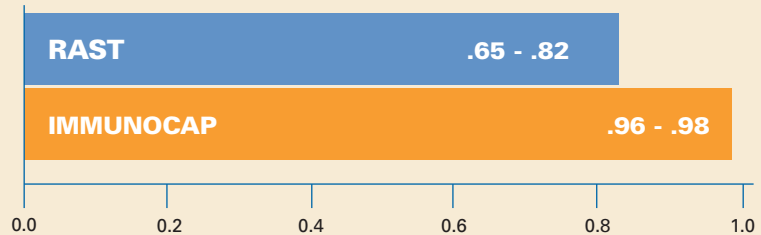
WHY TEST WITH ImmunoCAP?

- Childhood profile detects 15 specific IgE triggers (food and inhalants)
- Profiles can detect greater than 95% of patients with allergies⁷ for certain foods
- ImmunoCAP assays are FDA-cleared for the quantitative measurement of specific IgE
- Identifies specific seasonal and perennial allergens^{***}
- Helps guide medication decisions, including IgE-specific therapies
- Requires one blood sample
- Accuracy superior to RAST technology⁸
- Performance comparable to skin prick testing

***Profiles vary to adjust for regional allergens.

ImmunoCAP: Accuracy superior to RAST[®] technology⁸

Performance vs. Ideal Assay (1.00)



In a head-to-head study in the *Journal of Allergy and Clinical Immunology*, ImmunoCAP proved more accurate than RAST technology.⁸

For more information about ImmunoCAP testing, speak to your Sonora Quest Laboratories Account Manager or visit us at www.sonoraquest.com.

Local Laboratories.
Local Focus.

1. Chan-yeung M, et al. The Canadian childhood asthma primary prevention study: Outcomes at 7 years of age. *J Allergy Clin Immunol.* 2005;116:49-55. 2. AAAAI. *The Allergy Report.* 2000;1:1. 3. ETAC[®] Study Group. *Pediatric Allergy Immunol.* 1998;9:116-124. 4. Leung DYM. In: *Pediatric Allergy: Principles and Practice.* St. Louis, Mo: Mosby-Year Book, Inc; 2003:561-573. 5. Asthma and Allergy Foundation of America. http://www.aafa.org/display.cfm?id=9&sub=30#_ftn7 6. Host A, Halcken S. The role of allergy in childhood asthma. *Allergy.* 2000;55:600-608. 7. Sampson HA, Ho DG. Relationship between food-specific IgE concentrations and the risk of positive food challenges in children and adolescents. *J Allergy Clin Immunol.* 1997;100:444-451. 8. Williams PB, et al. Analytic precision and accuracy of commercial immunoassays for specific IgE: establishing a standard. *J Allergy Clin Immunol.* 2000;105:1221-1230.

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