

What is 3gAllergy?

3gAllergy is a new generation of allergy blood testing. It provides quantitative determination of allergen-specific IgE at very low levels with excellent precision, accuracy and lot-to-lot reproducibility. The assay delivers reliable results in about an hour to help you identify, monitor and manage patients with allergic diseases.

Fast, accurate results for allergy are just one small patient blood sample away!

3gAllergy may reduce the need for skin prick testing

- Uncomfortable for the patient
- Excessive office time required for testing and diagnosis
- Poor quality control

Siemens Healthcare Diagnostics, the leading clinical diagnostics company, is committed to providing clinicians with the vital information they need for the accurate diagnosis, treatment and monitoring of patients. Our comprehensive portfolio of performance-driven systems, unmatched menu offering and IT solutions, in conjunction with highly responsive service, is designed to streamline workflow, enhance operational efficiency and support improved patient care.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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Early Diagnosis of Children's Allergy

3gAllergy™

Answers for life.

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Allergy progression

Allergy symptoms progress over time, from mild to severe, with more serious allergies often manifesting as asthma. Allergies frequently begin in early childhood as adverse reactions to food, although most children outgrow their food allergies. Unfortunately, the disappearance of food allergies does not necessarily signify an end to the suffering, since sensitization to inhalant allergens often appears later in childhood. The presence of a food allergy, or even sensitization to food allergens in the early years of life—particularly to cow's milk and egg white—is a strong predictive factor for later sensitization to inhalant allergens.²

Slowing or stopping the progression of allergy through early diagnosis

It is critical that allergen sensitization be detected before the onset of severe symptoms. By instituting appropriate measures—allergen avoidance or immunotherapy on a timely basis—it may be possible to prevent the occurrence of new, more severe symptoms and the development of chronic allergic disease.²

Why measure serum allergen-specific IgE?

Serum allergen-specific IgE, which is measured through single allergen tests or allergen panels, is preferable to total IgE measurement, and provides more detailed clinical information. Like skin prick testing, allergen-specific IgE determinations reveal only a patient's sensitization to an allergen(s). Their clinical relevance can be defined only when used in conjunction with the patient history.

When should children be tested for allergies?

Children presenting with severe, persistent or recurrent allergic symptoms or requiring long-term treatment should be tested for allergy, whatever their age. A family history of allergy (one or both parents) should be considered a high-risk factor.

Common forms of allergic manifestations in infants and young children:

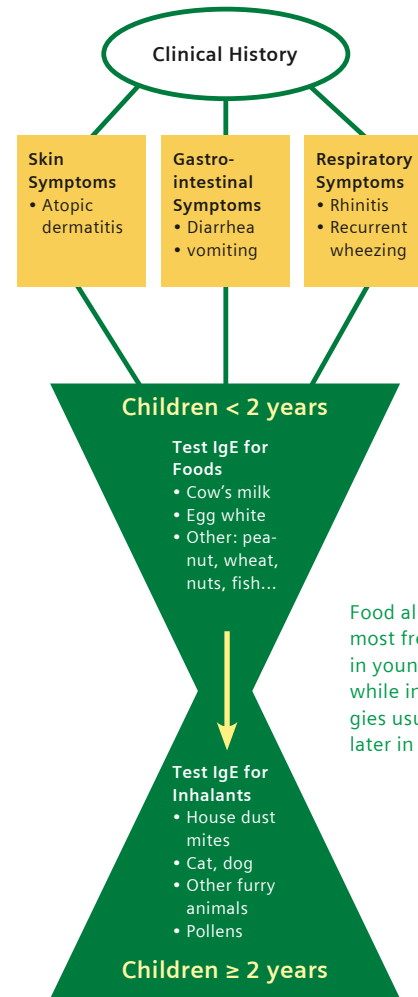
- Gastrointestinal symptoms
- Atopic dermatitis
- Recurrent wheezing

In older children:

- Allergic rhinitis
- Bronchial asthma
- Conjunctivitis
- Otitis media

3gAllergy allows physicians to confirm their diagnosis and start treatment sooner.

Guidelines for IgE Testing and Diagnosis of Allergy Based on Symptoms and Age*



Food allergies occur most frequently in young children, while inhalant allergies usually appear later in childhood.

3gAllergy offers a broad menu of individual allergens from the following categories:

- Animals
- Drugs
- Dust
- Foods
- Occupational
- Parasites
- Insects
- Mites
- Molds
- Trees
- Weeds
- Grasses

Your lab has a customized regional panel available which includes common allergens for your geographical area.

Other Siemens allergy products

- Total IgE

For a full listing of allergens available from Siemens Healthcare Diagnostics, please visit www.siemens.com/diagnostics.

References:

1. Sly RM. Changing prevalence of allergic rhinitis and asthma. *Ann Allergy Asthma Immunol* 1999;82:233-48; quiz 248-52.
2. Sasai K, Furukawa S, Muto T, Baba M, Yabuta K, Fukuwatari Y. Early detection of specific IgE antibody against house dust mite in children at risk of allergic disease. *J Pediatr* 1996;128:834-40.
3. Host A, Andrae S, Charkin S, Diaz-Vazquez C, Dreborg S, Eigenmann PA, et al. Allergy testing in children: why, who, when and how? *Allergy* 2003;58:559-69.

* Adapted from Host et al.³

† For research use only in the US.