Detect sensitizations to the whole peanut to create personalized management plans for your patients.
High levels of peanut IgE can predict the likelihood of peanut sensitivity, but **may not be solely predictive of reactions or allergic response**.\(^1\)

**Peanut allergen component testing**

Measurement of specific IgE by blood test that provides objective assessment of sensitization to the whole peanut is the first step in discovering the likelihood of a systemic reaction and the necessary precautions that may be prescribed.

Knowing to which protein your patient is sensitized can help you develop a management plan.\(^{1,2,8-10}\)

77.6% of peanut sensitive patients may not be at risk for a systemic reaction.\(^1\)

**LOWER RISK** of systemic reaction\(^2\)

- Risk of mild, localized symptoms, such as itching/tingling of the lips, mouth, and oropharynx\(^3\)
- Cross-reactive with pollens (e.g., birch)\(^3\)

Ara h8
Determine which proteins your patient is sensitized to.

**VARIABLE RISK**
of systemic reaction including anaphylaxis
- Often accompanied by sensitization to other peanut proteins
- Cross-reactive with fruits with pits (e.g., peaches)

**HIGHER RISK**
of systemic reaction including anaphylaxis
- Sensitization to Ara h2 is nearly always associated with clinical peanut allergy

Reduce patient anxiety with individualized management plans.

**Ara h9**

- 

**Ara h1, 2, 3**

- 

**Test interpretations and next steps**

Oral food challenge (OFC) with a specialist may be recommended. High likelihood that patient may pass OFC.

If patient passes an OFC:
- Foods prepared with or around peanuts may be consumed
- Patient not restricted to peanut-free zones

- If there is no clinical history of symptoms, please see considerations above
- If there is a clinical history of symptoms, please see considerations below

- Choose peanut-free zones for patient’s safety
- Prescribe epinephrine auto-injector
- Family, colleagues, and teachers should be made aware of allergy and have a plan

As in all diagnostic testing, a diagnosis must be made by the physician based on test results, individual patient history, the physician’s knowledge of the patient, and the physician’s clinical judgement.
Test Name                        Test Code
Childhood Allergy Profile        NTC-2721 d1; NTC-2722 d2; Cat dander, (NTC-2601) e1; Dog dander, (NTC-2605) e5; Egg white, (NTC-2801) f1; Milk, (NTC-2802) f2; Codfish, (NTC-2803) f3; Wheat, (NTC-2804) f4; Peanut, (NTC-2813) f13; Soybean, (NTC-2814) f14; Shrimp, (NTC-2824) f24; Walnut, (NTC-3489) f256; Cockroach, (NTC-2736) i6; Cladosporium herbarum, (NTC-2702) m2; Alternaria alternata, (NTC-2706) n6; Total IgE

Childhood Allergy Profile w/Reflexes
- Contains all components of the Childhood Allergy Profile (NTC-10465) with reflex to the following components, Egg Component Panel, (NTC-91372); Ovomucoid, (NTC-3046) f233; Ovalbumin, (NTC-2719) f232; Milk Component Panel, (NTC-91403); Casein, (NTC-2853) f78; Alpha-lactalbumin, (NTC-2851) f76; Beta-lactoglobulin, (NTC-2852) f77; Peanut Component Panel, (NTC-91681) Ara h1, f422; Ara h2, f423; Ara h3, f424; Ara h8, f352; Ara h9

Food Allergy Panel
- Milk, (NTC-2802) f2; IgE Egg, white, (NTC-2801) f1; IgE Peanut, (NTC-2813) f13; IgE Walnut, (NTC-3489) f256; IgE Corn, (NTC-2808) f8; IgE Wheat, (NTC-2804) f4; IgE Soybean, (NTC-2814) f14; IgE Codfish, (NTC-2803) f3; IgE Clam, (NTC-8929) f207; IgE Shrimp, (NTC-2824) f24; Total IgE

Food Allergy Profile w/Reflexes
- Contains all components of the Food Allergy Profile (NTC-10465) with reflex to the following components, Egg Component Panel, (NTC-91372); Ovomucoid, (NTC-3046) f233; Ovalbumin, (NTC-2719) f232; Milk Component Panel, (NTC-91403); Casein, (NTC-2853) f78; Alpha-lactalbumin, (NTC-2851) f76; Beta-lactoglobulin, (NTC-2852) f77; Peanut Component Panel, (NTC-91681) Ara h1, f422; Ara h2, f423; Ara h3, f424; Ara h8, f352; Ara h9

Food Allergy Profile w/Reflexes
- Egg, white, (NTC-2801) f1; Milk, (NTC-2802) f2; Codfish, (NTC-2803) f3; Wheat, (NTC-2804) f4; Corn, (NTC-2808) f8; Sesame seed, (NTC-2818) f10; Peanut, (NTC-2813) f13; Soybean, (NTC-2814) f14; Shrimp, (NTC-2824) f24; Clam, (NTC-8929) f207; Walnut, (NTC-3489) f256; Scallop, (NTC-273) f338

Multiple test codes are available. Refer to the Quest Diagnostics Directory of Services or the online Test Center (QuestDiagnostics.com/testcenter) for test information.

NTC = National test code

For more information about peanut component testing, contact your local sales representative.

References