Asthma and Pediatric Allergy

Clinical studies have shown that young children who develop atopic dermatitis or allergic rhinitis have an increased tendency to develop asthma as they grow older. Through a comprehensive allergy test portfolio, LabCorp can assist in providing better care for the youngest patients.

LabCorp’s quantitative allergen-specific IgE tests can be useful in assessing the potential that an atopic disposition might play in fostering chronic sinusitis or dermatitis and potentially asthma. Accurate diagnosis of allergen sensitivity can allow the clinician to develop an optimal therapeutic approach at an early age.

The progressive development of increasingly debilitating allergic disease as an atopic child grows into adulthood has been referred to by some researchers as the “allergy march.” Early intervention may help improve the child’s symptoms and may reduce the chances of developing asthma in the future.

To assist in diagnosing allergen sensitivity in young children, LabCorp now offers the ImmunoCAP® Childhood Allergy Profile.

### Method
Quantitative allergen specific IgE

### Specimen Requirement
4 mL serum (room temperature)

### Food
- Almond
- Brazil nut
- Cashew nut
- Codfish
- Egg White
- Hazelnut (filbert)
- Macadamia Nut
- Milkv
- Peanut (Whole)
- Pecan Nut
- Pistachio
- Scallop
- Sesame Seed
- Shrimp
- Soybean
- Walnut
- Wheat

### Mold
- Cladosporium herbarum

### Animal/Dust
- Cat Dander
- Cockroach, German
- D. farinae
- D. pteronyssinus
- Dog Dander
- Mouse Urine

If milk IgE ≥ 0.35 kU/L, reflex tests α-lactalbumin, β-lactoglobulin, and casein will be added.
If egg white IgE ≥ 0.35 kU/L, reflex tests ovalbumin and ovomucoid will be added.
If brazil nut, cashew nut, hazelnut (filbert), peanut (whole), and/or walnut IgE is ≥ 0.10 kU/L, brazil nut: Ber e 1/cashew nut: Ana o 3/hazelnut (filbert): Cor a 1, Cor a 8, Cor a 9, and Cor a 14/peanut (whole): Ara h 1, Ara h 2, Ara h 3, Ara h 6, Ara h 8, and Ara h 9/walnut: Jug r 1 and Jug r 3 reflex tests will be added.
If Dog IgE ≥ 0.35 kU/L, reflex tests Can f 1 IgE, Can f 2 IgE, Can f 3 IgE and Can f 5 IgE, will be added.
If Cat IgE ≥ 0.35 kU/L, reflex tests Fel d 1 IgE, Fel d 2 IgE and Fel d 4 IgE will be added.

*If reflex testing is performed, additional charges/CPT code(s) may apply.

### References