

Allergy testing

Allergies are an increasing public health issue. Asthma is a leading chronic disease in childhood, with one in 10 children having asthma and one in five having allergies.* The NIH Guidelines for Asthma Management recommend patients with persistent asthma be evaluated for the potential role of allergens. Specific IgE blood testing can identify allergic triggers so exposure can be reduced.

MercyOne Clinical Laboratory offers ImmunoCAP Allergy testing, which is considered the gold standard in allergy testing. Here are some of the benefits offered by this methodology:

- Produces reliable results
- Supports primary care physicians and specialists in providing less invasive, optimal patient management
- Blood test only requires one needle stick
- Does not require referral to an allergy specialist
- Can be done regardless of age, antihistamine use or skin condition

Rast or “skin prick” testing does not provide the quantitative IgE result that ImmunoCAP does.

Testing offers more than 500 whole allergens and 100 allergen components for sensitive and precise quantitative detection of allergen-specific IgE antibodies. IgE antibodies appear in the blood as a result of sensitization to a specific allergen. Measurement of circulating IgE antibodies provides an objective assessment of sensitization to an allergen. Using this testing to determine the presence of IgE antibodies aids the reliable diagnosis of patients with suspected allergy.

Region 8 Respiratory Allergy Profile (RAP8)

1.3 ML of serum (minimum)

- Alternaria alternata
- Aspergillus fumigatus
- Bermuda grass (Cynodon dactylon)
- Cat dander
- Cladosporium herbarum
- Cockroach
- Cottonwood (Populus deltoides)
- Dermatophagoides farinae (house dust mites)
- D. pteronyssinus
- Dog dander
- Elm (Ulmus americana)
- Maple (box elder; Acer negundo)
- Maple leaf sycamore, London Plane
- Mountain cedar (Juniperus sabinoides)
- Mouse urine
- Mulberry
- Oak (Quercus alba)
- Pecan/hickory (Carya soecue, pecan)
- Penicillium notatum
- Ragweed (short; Ambrosia elatior)
- Rough marsh elder (Iva)
- Rough pigweed (Amaranthus retroflexus)
- Russian thistle (Saltwort, Salsola kali)
- Timothy grass (Phleum pratense)
- Walnut (Juglans californica)
- White ash (Fraxinus americana)
- Total IgE

* 2021: 27.2% of children have one or more allergic conditions – one in five have seasonal allergy, one in 10 eczema and 1 in 20 food allergy.

Allergen, Childhood Allergy Panel (LAB 4259)

0.8 ML of serum (minimum)

- Alternaria alternata
- Cat dander
- Cladosporium herbarum
- Cockroach
- Cod fish
- Cow's milk
- Dermatophagoides farinae (house dust mites)
- D. pteronyssinus
- Dog dander
- Egg white
- Peanut
- Shrimp
- Soybean
- Walnut
- Wheat
- Total IgE

Allergen Food Profile (LAB5413)

0.6 ML of serum (minimum)

- Almond
- Cashew
- Cod fish
- Cow's milk
- Egg white
- Hazelnut
- Peanut
- Salmon
- Scallop
- Sesame
- Shrimp
- Soybean
- Tuna
- Walnut
- Wheat

Allergen Seafood Panel (LAB596)

1.0 ML of serum (minimum)

- Cod fish
- Crab
- Lobster
- Salmon
- Shrimp
- Tuna

Allergen Respiratory Pediatric Panel (LAB10584)

0.5 ML of serum (minimum)

- Aspergiullus fumigatus
- Cat dander
- Cow's milk
- D. farinae (house dust mites)
- Dog dander
- Egg white
- Peanut
- Soybean
- Wheat
- Total IgE

Allergen Milk Component Panel (LAB9868)**

**Allergen Whole Milk with Reflex to Components Panel (LAB10577)

Allergen Tree Nut Panel (LAB4637)***

2.0 ML of serum (minimum)

- Almonds
- Brazil Nut
- Cashew
- Hazelnut
- Peanut
- Pecan Nut
- Pistachio (Pistacia Vera)
- Walnut
- Macadamia Nut

***Tree Nut with Reflex to Components (LAB9372)

Allergen Egg White with Relfex to Component Panel (LAB7813)****

2.0 ML of serum (minimum)

****Egg Component Panel may be ordered separately (LAB4966)

Allergens may also be ordered individually. Additional allergens are available; contact us for a full list.



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