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**Lab Dept:** Chemistry

**Test Name:** ALLERGEN RESPIRATORY PROFILE >3 YRS

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**General Information**

**Lab Order Codes:** MNRES

**Note:** Because some allergens overlap between panels, special Order Codes have been created for the combination of panels. If you plan on ordering more than one panel, please use the following orderables to prevent duplication:

MNFD: Respiratory Profile (>3 yrs) + Food Panel

CHIFD: Childhood Profile (<3 yrs) + Food Panel

MNCHI: Respiratory Profile (>3 yrs) + Childhood Profile (<3 years)

**Synonyms:** Allergy testing; Immunocap Respiratory Profile; (RAST)

**CPT Codes:** 86003 X18 – Allergen specific IgE; quantitative or semi quantitative, for each allergen  
82785 – IgE, Total

**Test Includes:** IgE antibody level specific to Dermatophagoides farinae (House dust mite), Dermatophagoides pteronyssinus (House dust mite), Cat epithelium dander, Dog dander, Cockroach (German Blatella germanica), Box elder (Acer negundo), Elm (Ulmus americana), Oak (Quercus alba), Common Silver Birch (Betula verrucosa), Cocksfoot (Dactylis glomerata - Orchard grass), Common Ragweed (Ambrosia elatior - A. Artemisiifolia), Alternaria alternata (A. tenuis - mold), Aspergillus fumigastis, Cladosporium herbarum (Hormodendrum), Cottonwood, Ash (White Ash), Timothy Grass, Kentucky Blue Grass (Meadow grass) reported in kU/L and Total IgE reported in IU/mL.

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**Logistics**

**Test Indications:** The respiratory profile is a pre-selected panel of the most common Northern Midwest Respiratory allergens involved in childhood allergic disease for children greater than 3 years of age.

**Lab Testing Sections:** Chemistry

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 – 3 days, set up Monday - Friday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Red NO GEL

**Draw Volume:** 6.5 mL (Minimum: 5 mL) blood

**Processed Volume:** 2.2 mL (Minimum: 1.7 mL) serum

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Centrifuge specimen, remove serum aliquot into plastic sample cup. Store at refrigerated temperatures.

**Patient Preparation:** None

**Sample Rejection:** Unlabeled or mislabeled specimen

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***Interpretive***

**Reference Range:**

<b>Interpretive Information:</b>	
<b>kU/L</b>	<b>Level of Allergen Specific IgE Antibody</b>
<0.10	Absent
0.10 – 0.34	Equivocal Low
0.35 - 0.69	Low
0.70 - 3.49	Medium
3.50 - 17.49	High
17.5 – 49.99	Very High
50.00 – 100.00	Very High
>100.00	Very High

**Critical Values:** N/A

**Limitations:** Allergens <0.35 kU/L will be reported as Absent/Undetectable

**Methodology:** Phadia Immunocap 250

**References:** Thermo Fisher, 200 Portage Road, Kalamazoo, MI, November 2004  
Immuncap 250 Specific IgE Procedure, Revised, August 2010, Phadia, AB, Uppsala, Sweden

**Updates:** 6/21/2006: Penicillium was dropped from the panel, Dermatophagoides pteronyssinus (House dust mite), Aspergillus fumigatus and Cladosporium herbarum (Homodendrum) were added. CPT coding updated to 86003 x16.  
12/20/2011: CPT coding updated to 86003 x18. Redtop and Rough Marshelder were dropped from the panel. Cottonwood, White Ash, Timothy Grass and Kentucky Blue Grass were added to the panel. Reference ranges updated. Class designations removed.  
12/4/2014: Combination codes included under orderables.  
2/9/2016: Update container types  
3/30/2016: Update containers/TAT  
9/18/2018: Updated ref ranges  
1/17/2019: Updated Profile names for combination orders  
10/29/2020: Updated tube/draw requirements.  
10/30/2020: Updated tube/draw requirements.