## Lab Dept: Chemistry

**Test Name:** ALLERGEN CHILDHOOD PROFILE <3 YRS

### General Information

**Lab Order Codes:** CHILD

**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: Respiratory Profile (<3 yrs) + Food Panel
- MNCHI: Respiratory Profile (>3 yrs) + Respiratory Profile (<3 years)

**Synonyms:** Allergy testing; Immunocap Childhood Profile

**CPT Codes:**

- 86003 X12—Allergen specific IgE; quantitative or semi quantitative, for each allergen
- 82785—IgE, Total

**Test Includes:** IgE antibody level specific to Egg White, Fish (Cod), Milk (Cow), Peanut, Soybean, Wheat, Dust mite, Alternaria (Mold), Cat dander, Dog dander, Cockroach, Cladosporium herbarum (Hormodendrum) reported in kU/L and Total IgE reported in IU/mL.

### Logistics

**Test Indications:** The childhood allergy profile is a pre-selected panel of the most common allergens involved in childhood allergic disease for children under 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

### Specimen
Specimen Type: Blood

Container: SST-Serum Separator (Red, marble or gold top tube)

Draw Volume: 6 mL (Minimum: 4.5 mL) blood

Processed Volume: 2 mL (Minimum: 1.5 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: Mislabeled or unlabeled specimen

Interpretive

Reference Range:

<table>
<thead>
<tr>
<th>kU/L</th>
<th>Level of Allergen Specific IgE Antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Peanut ONLY</td>
</tr>
<tr>
<td>&lt;0.10</td>
<td>Absent</td>
</tr>
<tr>
<td>0.10 – 0.34</td>
<td>Equivocal/Low</td>
</tr>
<tr>
<td></td>
<td>Fish (Cod), Milk (Cow) Soybean, Wheat, Clam, Corn (Maize), Scallop, Shrimp and Walnut</td>
</tr>
<tr>
<td>&lt;0.10</td>
<td>Absent</td>
</tr>
<tr>
<td></td>
<td>All Panel Allergens: Fish (Cod), Milk (Cow), Peanut, Soybean, Wheat, Clam, Corn (Maize), Scallop, Shrimp and Walnut</td>
</tr>
<tr>
<td>&lt;0.10</td>
<td>Absent</td>
</tr>
<tr>
<td>0.10 – 0.34</td>
<td>Equivocal/Low</td>
</tr>
<tr>
<td>0.35 - 0.69</td>
<td>Low</td>
</tr>
<tr>
<td>0.70 - 3.49</td>
<td>Medium</td>
</tr>
<tr>
<td>Value Range</td>
<td>Severity</td>
</tr>
<tr>
<td>------------------</td>
<td>----------</td>
</tr>
<tr>
<td>3.50 - 17.49</td>
<td>High</td>
</tr>
<tr>
<td>17.5 – 49.99</td>
<td>Very High</td>
</tr>
<tr>
<td>50.00 – 100.00</td>
<td>Very High</td>
</tr>
<tr>
<td>&gt;100.00</td>
<td>Very High</td>
</tr>
</tbody>
</table>

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Phadia Immunocap 250

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

**Updates:**
- 12/4/2014: Combination codes included under orderables.
- 2/9/2016: Update container types
- 3/30/2016: Update containers/TAT
- 9/18/2018: Updated reference ranges