
Lab Dept: Chemistry

Test Name: ALLERGEN RESPIRATORY PROFILE

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 + Food Panel

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.

Logistics

Test Indications: The respiratory profile is a pre-selected panel of the most common Northern Midwest Respiratory allergens.

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:	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

Interpretive**Reference Range:**

Interpretive Information:	
kU/L	Level of Allergen Specific IgE Antibody
<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.

1/9/26: Removed reference to other panels, age differentiation.