

Test Interpretation and Management Options Utilizing ImmunoCAP® KU/L Results

The ImmunoCAP test demonstrates patient sensitivity to specific allergens – reporting in number of kilounits per liter (KU/L).

Management Options for ImmunoCAP Specific IgE Blood Test

Specific IgE (KU/L)	Level	Class	Management Options
<0.35	Absent/Undetectable	0	Consider causes other than allergic disease
0.35 -0.70	Low	1	Consider treatment options ¹ : – Avoid allergens (if possible) – Trial of pharmacotherapy If not controlled, consider referral to an allergy specialist for possible immunotherapy ²
0.71-3.50	Moderate	2	
3.51 -17.5	High	3	
17.6- 50	Very High	4	
51-100	Very High	5	
>100	Very High	6	

Interpreting Total IgE with Specific IgE Test Results (Above age 15)*

	Specific IgE Undetectable <0.35 KU/L	Specific IgE Elevated >0.35 KU/L
Total IgE Normal <101 IU/mL	Symptoms not attributed to atopy	Does not rule out atopy if Specific IgEs are elevated ³
Total IgE Elevated >101 IU/mL	May indicate high risk of sensitization; may be useful to decide if further investigation warranted ³	Symptoms attributed to atopy Consider treatment options ¹ : – Avoid allergens (if possible) – Trial of pharmacotherapy If not controlled, consider referral to an allergy specialist for possible immunotherapy ²

*Pediatric reference ranges are age dependent. See medical report.

ImmunoCAP Allergy Panel Test Menu

Please submit 0.1 mL refrigerated serum for each allergen and an additional 1.0 mL refrigerated serum if an IgE Serum is part of the panel.

Primary Allergen Panels

Test Name	Test Code	CPT* Codes	Components (allergens may be ordered individually)
Arizona Desert Panel	800843	86003x22, 82785	Acacia, Alternaria alternata (mold), Aspergillus fumigatus (mold), Bermuda Grass, Cat Dander, Cladosporium herbarum (mold), Cockroach, Common Pigweed, Common Ragweed, Cottonwood, Dermatophagoides farinae (dust mite), Dermatophagoides pteronyssinus (dust mite), Dog Dander, Elm, Johnson Grass, Mountain Cedar, Mugwort, Oak, Olive Tree, Penicillium Notatum, Perennial Rye Grass, Russian Thistle, IgE Serum
Arizona Mountain Panel	800845	86003x24, 82785	Alder, Alternaria alternata (mold), Aspergillus fumigatus (mold), Bermuda Grass, Cat Dander, Cladosporium herbarum (mold), Cockroach, Cottonwood, Common Pigweed, Common Ragweed, Dermatophagoides farinae (dust mite), Dermatophagoides pteronyssinus (dust mite), Dog Dander, Elm, Maple (Box Elder), Mountain Cedar, Mugwort, Mulberry, Oak, Olive Tree, Penicillium Notatum, Rough Pigweed, Russian Thistle, Sheep Sorrel, Timothy Grass, IgE Serum
Arizona Desert & Mountain Panel	800997	86003x27, 82785	Includes all allergens from the Arizona Desert and Mountain Panels and an IgE Serum
Childhood Allergy Panel	800844	86003x15, 82785	Alternaria alternata (mold), Cat Dander, Cladosporium herbarum (mold), Cockroach, Codfish, Dermatophagoides Farinae (dust mite), Dermatophagoides pteronyssinus (dust mite), Dog Dander, Egg White, Milk, Peanut, Shrimp, Soybean, Walnut, Wheat, IgE Serum
Food, Comprehensive Panel	205275	86003x20	Apple, Beef, Carrot, Codfish, Corn, Crab, Egg White, Milk, Oats, Orange, Peanut, Pork, Potato, Shrimp, Soybean, Strawberry, Tomato, Tuna, Wheat, Yeast

Other Common Allergen Panels

Test Name	Test Code	CPT* Codes	Components (allergens may be ordered individually)
Animal Panel	7256	86003x4	Cat Dander, Cow Dander, Dog Dander, Horse Dander
Food Panel	802468	86003x12	Clam, Codfish, Corn, Egg White, Milk, Peanut, Scallop, Sesame, Shrimp, Soybean, Walnut, Wheat
Dust Mite Panel	7257	86003x4	Cockroach, Dermatophagoides Farinae (dust mite), Dermatophagoides Pteronyssinus (dust mite), House Dust (Greer)
Food, Pediatric Panel	7086	86003x5	Egg White, Egg Yolk, Milk, Soybean, Wheat
Fruit Panel	7084	86003x6	Apple, Kiwi, Mango, Melon, Orange, Strawberry
Mold Panel	705272	86003x10	Alternaria alternata, Aspergillus, Aureobasidium, Candida Albicans, Cladosporium, Helminthosporium H., Mucor Racemosus, Penicillium, Phoma Betae, Stemphylium
Seafood Panel	706480	86003x5	Codfish, Crab, Lobster, Shrimp, Tuna

For more information about ImmunoCAP or the individual allergens that we offer, please contact your Sonora Quest Laboratories Account Manager or visit www.sonoraquest.com.

*The CPT codes provided are based on AMA guidelines and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payor being billed.



References:

1. American Academy of Allergy, Asthma, and Immunology. Overview of allergic disease. The Allergy Report. 2000;1:41.
2. Selner JC, Sullivan TJ. Current issues relating to in vitro testing for allergen-specific IgE: a workshop report. Ann Allergy. 1999;82:411.
3. Kerkhot M, Dubbole AEJ. Role and interpretation of total serum IgE measurements in the diagnosis of allergic airway disease in adults. Allergy. 2003;58:905-911.

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