

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
<0.10	Absent/Undetectable	0	Consider causes other than allergic disease
0.10 - 0.34	Very Low Level	0/1	Consider treatment options ¹ : – Avoid allergens (if possible) – Trial of pharmacotherapy If not controlled, consider referral to an allergy specialist for possible immunotherapy ²
0.35 - 0.70	Low Level	1	
0.71 - 3.50	Moderate Level	2	
3.51 - 17.5	High Level	3	
17.6 - 50	Very High Level	4	
51 - 100	Very High Level	5	
>100	Very High Level	6	

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

	Specific IgE Undetectable <0.10 KU/L	Specific IgE Elevated ≥0.10 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.

*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.

ImmunoCAP Allergy Panel Test Menu

Primary Inhalant and Food Allergy Panels

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.

Test Name	Test Code	CPT* Codes	Specific IgE Components (allergens may be ordered individually)
Arizona Desert Panel	800843	86003x23, 82785	Acacia (t19), <i>Alternaria alternata</i> (mold) (m6), <i>Aspergillus fumigatus</i> (mold) (m3), Bermuda Grass (g3), Cat Dander (e1), <i>Cladosporium herbarum</i> (mold) (m2), Cockroach (i6), Common Pigweed (w14), Common Ragweed (w1), Cottonwood (t14), <i>Dermatophagoides farinae</i> (dust mite) (d2), <i>Dermatophagoides pteronyssinus</i> (dust mite) (d1), Dog Dander (e5), Elm (t8), Johnson Grass (g10), Juniper Tree (t6), Mouse Urine Protein (e72), Mugwort (w6), Oak (t7), Olive Tree (t9), <i>Penicillium Notatum</i> (m1), Perennial Rye Grass (g5), Russian Thistle (w11), IgE Serum
Arizona Mountain Panel	800845	86003x25, 82785	Alder (t2), <i>Alternaria alternata</i> (mold) (m6), <i>Aspergillus fumigatus</i> (mold) (m3), Bermuda Grass (g3), Cat Dander (e1), <i>Cladosporium herbarum</i> (mold) (m2), Cockroach (i6), Cottonwood (t14), Common Pigweed (w14), Common Ragweed (w1), <i>Dermatophagoides farinae</i> (dust mite) (d2), <i>Dermatophagoides pteronyssinus</i> (dust mite) (d1), Dog Dander (e5), Elm (t8), Juniper Tree (t6), Maple (Box Elder) (t1), Mouse Urine Protein (e72), Mugwort (w6), Mulberry (t10), Oak (t7), Olive Tree (t9), <i>Penicillium Notatum</i> (m1), Russian Thistle (w11), Sheep Sorrel (w18), Timothy Grass (g6), IgE Serum
Arizona Desert & Mountain Panel	800997	86003x28, 82785	Includes all allergens from the Arizona Desert and Mountain Panels and an IgE Serum
Allergy, Inhalant Screen	803660	86003x14	Acacia Tree (t19), <i>Alternaria alternata</i> (m6), Bermuda Grass (g2), Cat Epithelium and Dander (e1), Common Ragweed (w1), <i>Dermatophagoides farinae</i> (d2), Dog Dander (e5), Elm Tree (t8), German Cockroach (i6), Kentucky Blue Grass (g8), Oak Tree (t7), Russian Thistle (w11), Sheep Sorrel (w18)
Childhood Panel	800844	86003x16, 82785	<i>Alternaria alternata</i> (mold) (m6), Cat Dander (e1), <i>Cladosporium herbarum</i> (mold) (m2), Cockroach (i6), Codfish (f3), Cow's Milk (f2), <i>Dermatophagoides Farinae</i> (dust mite) (d2), <i>Dermatophagoides pteronyssinus</i> (dust mite) (d1), Dog Dander (e5), Egg White (f1), Mouse Urine Protein (e72), Peanut (f13), Shrimp (f24), Soybean (f14), Walnut (f256), Wheat (f4), IgE Serum
Childhood Panel w/reflex Peanut, Egg & Milk Components	91683	Screen: 86003x16; 82785 Reflexes: 86008x5; 86008x2; 86008x3	Same components as Childhood Allergy Panel (800844) except Positive Egg White (f1), IgE will reflex to Ovalbumin, (f232) IgE & Ovomucoid (f233), IgE at an additional charge and Positive Milk (f2), IgE will reflex to Casein (f78), IgE, Alpha Lactalbumin (f76), IgE, and Beta Lactoglobulin (f77), IgE at an additional charge. Peanut (f13); If Peanut (f13) IgE is ≥ 0.10 kU/L, Peanut Component Panel [Ara h 2 (f423), Ara h 1 (f422), Ara h 3 (f424), Ara h 9 (f427), and Ara h 8 (f352)] will be performed at an additional charge. If Egg White (f1) IgE is ≥ 0.10 kU/L, Egg Component Panel will be performed at an additional charge; If Cow's Milk (f2) IgE is ≥ 0.10 kU/L, Milk Component Panel will be performed at an additional charge.
Food Panel	803699	86003x15	Almond (f20), Cashew (f202), Codfish (f3), Cow's Milk (f2), Egg white (f1), Hazelnut (f17), Peanut (f13), Salmon (f41), Scallop (f338), Sesame seed (f10), Shrimp (f24), Soybean (f14), Tuna (f40), Walnut (f256), Wheat (f4)
Food Panel w/reflex Peanut, Egg & Milk Components	91682	Screen: 86003x15 Reflexes: 86008x5; 86008x2; 86008x3	Same components as Food Panel (803699). Peanut (f13); If Peanut (f13) IgE is ≥ 0.10 kU/L, Peanut Component Panel [Ara h 2 (f423), Ara h 1 (f422), Ara h 3 (f424), Ara h 9 (f427), and Ara h 8 (f352)] will be performed at an additional charge. If Egg White (f1) IgE is ≥ 0.10 kU/L, Egg Component Panel will be performed at an additional charge. If Cow's Milk (f2) IgE is ≥ 0.10 kU/L, Milk Component Panel will be performed at an additional charge.
Food, Comprehensive Panel	205275	86003x20	Apple (f49), Beef (f27), Carrot (f31), Codfish (f3), Corn (f8), Crab (f23), Egg White (f1), Milk (f2), Oats (f7), Orange (f33), Peanut (f13), Pork (f26), Potato (f35), Shrimp (f24), Soybean (f14), Strawberry (f44), Tomato (f25), Tuna (f40), Wheat (f4), Yeast (f45)
Egg White (f1), IgE w/reflex Components	906049	Screen: 86003 Reflex: 86008x2	If Egg White (f1), IgE is ≥ 0.10 kU/L, Ovalbumin, (f232) IgE & Ovomucoid (f233), IgE will be performed at an additional charge.
Milk (f2), IgE w/reflex Components	906050	Screen: 86003 Reflex: 86008x3	If Milk (f2), IgE is ≥ 0.10 kU/L, Casein (f78), IgE, Alpha Lactalbumin (f76), IgE, and Beta Lactoglobulin (f77), IgE will be performed at an additional charge.
Peanut (f13), IgE w/reflex Components	91747	Screen: 86003 Reflex: 86008x5	Peanut (f13); If Peanut (f13) IgE is ≥ 0.10 kU/L, Peanut Component Panel [Ara h 2 (f423), Ara h 1 (f422), Ara h 3 (f424), Ara h 9 (f427), and Ara h 8 (f352)] will be performed at an additional charge.

Individual allergens and additional panels available, please contact your Sonora Quest Laboratories Account Manager or visit SonoraQuest.com for more information.

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