

## Test Interpretation and Management Options

### Utilizing the ImmunoCAP® KU/L Score



The ImmunoCAP test demonstrates patient sensitivity to specific allergens – reporting in number of kilounits per liter (KU/L). A sample report and a description of the key elements are available on the reverse side.

### Management Options for ImmunoCAP Specific IgE Blood Test

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

### Interpreting ImmunoCAP Total IgE with Specific IgE Test Results (Above age 10)\*

	Specific IgE Undetectable <0.35 KU/L	Specific IgE Elevated >0.35 KU/L
<b>Total IgE Normal</b> <100 IU/L	Symptoms not attributed to atopy	Does not rule out atopy if Specific IgEs are elevated <sup>3</sup>
<b>Total IgE Elevated</b> ≥100 IU/L	May indicate high risk of sensitization; may be useful to decide if further investigation warranted <sup>3</sup>	Symptoms attributed to atopy (See above for treatment options)

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

# Sample ImmunoCap® Medical Report



**Test Ordered**

**Total IgE**

**Test Result**

**Specific Allergen**

**Test Result**

**Specific IgE**

**Allergen**

**Tested**

**Allergens**

**Indicated by**

**Cap Codes**

- D = dust mites (house)
- E = epithelium (animal)
- G = grass
- I = insect
- M = mold
- T = tree
- W = weed

**Specific IgE Class**

**RESPIRATORY ALLERGY PROFILE REGION V**

IMMUNOGLOBULIN IGE:	37.00	kU/L	0.00-114.00
<b>D. PTERONYSSINUS D1:</b>	0.37	kU/L	
(H)			
<b>D. FARINAE D2:</b>	0.36	kU/L	
(H)			
CAT DANDER E1:	<0.35	kU/L	
DOG DANDER E5:	<0.35	kU/L	
BERMUDA GRASS G2:	<0.35	kU/L	
TIMOTHY GRASS G6:	<0.35	kU/L	
COCKROACH I6:	<0.35	kU/L	
<b>PENICILLIUM NOTATUM M1:</b>	0.73	kU/L	
(H)			
<b>CLADOSPORIUM HERBARUM M2:</b>	0.58	kU/L	
(H)			
<b>ASPERGILLUS FUMIGATUS M3:</b>	0.77	kU/L	
(H)			
<b>ALTERNARIA ALTERNATA M6:</b>	0.67	kU/L	
(H)			
MAPLE/BOXELDER T1:	<0.35	kU/L	
BIRCH T3:	<0.35	kU/L	
MOUNTAIN CEDAR T6:	<0.35	kU/L	
OAK T7:	<0.35	kU/L	
ELM T8:	<0.35	kU/L	
WALNUT TREE T10:	<0.35	kU/L	
SYCAMORE T11:	<0.35	kU/L	
COTTONWOOD T14:	<0.35	kU/L	
WHITE ASH T15:	<0.35	kU/L	
PECAN HICKORY T22:	<0.35	kU/L	
WHITE MULBERRY T70:	<0.35	kU/L	
COMMON RAGWEED W1:	<0.35	kU/L	
RUSSIAN THISTLE W11:	<0.35	kU/L	
ROUGH PIGWEED W14:	<0.35	kU/L	
SHEEP SORREL W18:	<0.35	kU/L	

Interpretation		
Specific IgE Class	kU/L	Level of Allergen Specific IgE Antibody
0	<0.35	Absent/Undetectable
1	0.35-0.70	Low Level
2	0.71-3.50	Moderate
3	3.51-17.5	High Level
4	17.6-50	Very High Level
5	51-100	Very High Level
6	>100	Very High Level

For additional information about *ImmunoCAP*, please contact your sales representative or call 1-877-803-1010.

References:

- American Academy of Allergy, Asthma, and Immunology. Overview of allergic disease. *The Allergy Report*. 2000;1:41.
- Selner JC, Sullivan TJ. Current issues relating to in vitro testing for allergen-specific IgE; a workshop report. *Ann Allergy*. 1999;82:411.
- 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.