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**Lab Dept:** Chemistry

**Test Name:** HAZELNUT IGE, REFLEX TO HAZELNUT COMPONENT PANEL

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***General Information***

**Lab Order Codes:** **HAZER:** Hazelnut, Total with reflex to Hazelnut Component Panel (rCor a 1, a 8, a 9, a 14) when total Hazelnut result is  $\geq 0.1$  kUA/L

**HCCA1:** Hazelnut Component Cor a 1, **HCCA8:** Hazelnut Component Cor a 8, **HCCA9:** Hazelnut Component Cor a 9, and **HCC14:** Hazelnut Component Cor a 14. Add-to test codes to use when total Hazelnut result is  $\geq 0.1$  kUA/L. (Hazelnut Allergen IgE total should have been tested with in the previous 28 days and the sample available in the lab).

**Synonyms:** Allergy testing; Specific IgE, Hazelnut, Components

**CPT Codes:** 86003 x1 – Allergen specific IgE for total Hazelnut

86008 x4 – (Hazelnut Components (rCor a 1, a 8, a 9, a 14) allergen IgE, at an additional charge)

**Test Includes:** Includes total Hazelnut and rCor a 1, a 8, a 9, a 14 Hazelnut Components when appropriate.

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***Logistics***

**Test indications:** Detect allergen specific-IgE

**Lab Testing Sections:** Chemistry

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 – 2 days, performed Monday - Friday

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Red, marble or gold top tube

<b>Draw Volume:</b>	4.5 mL (Minimum: 3 mL) blood
<b>Processed Volume:</b>	1.5 mL (Minimum: 1 mL) serum
<b>Collection:</b>	Routine blood collection
<b>Special Processing:</b>	Lab Staff: Centrifuge specimen, remove serum aliquot into plastic tube. Store at refrigerated temperatures for up to 1 week.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

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***Interpretive***

<b>Reference Range:</b>	<b>Total Hazelnut IgE and Hazelnut Components Ranges:</b>	
	<b>kUA/L:</b>	<b>Interpretation:</b>
	<0.1	*Absent
	0.1 – 0.34	Equivocal/Low
	0.35 – 0.69	Low
	0.70 – 3.49	Medium
	3.50 – 17.49	High
	17.50 – 49.99	Very High
	50.00 – 100.00	Very High
	>100.00	Very High
*If Total Hazelnut is <0.1 kUA/L, Hazelnut component testing is not indicated.		

**Critical Values:** N/A

**Limitations:** Testing for IgE antibodies is not useful in patients previously treated with immunotherapy to determine if residual clinical sensitivity exists, or in patients in whom the medical management does not depend upon identification of allergen specificity.

Some individuals with clinically insignificant sensitivity to allergens may have measurable levels of IgE antibodies in serum, and results must be interpreted in the clinical context.

False-positive results for IgE antibodies may occur in patients with markedly elevated serum IgE (>2500 kU/L) due to nonspecific binding to allergen solid phases.

**Methodology:** ImmunoCAP FEIA

**References:** [ThermoFisher Scientific Allergen Encyclopedia](#) (August 2024)

**Updates:** 10/29/2024: Components are now performed in-house.