



Walnut-Food, IgE, with Reflex to Walnut-Food Components, IgE, Serum

Test ID: BLWRF

Useful for:

Evaluation of patients with suspected walnut-food allergy.

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
BLWX	Walnut-Food Components, IgE, S	No	No

Methods:

Fluorescent Enzyme Immunoassay (FEIA)

Reference Values:

Class	IgE kU/L	Interpretation
0	<0.10	Negative
0/1	0.10-0.34	Borderline/Equivocal
1	0.35-0.69	Equivocal
2	0.70-3.49	Positive
3	3.50-17.4	Positive
4	17.5-49.9	Strongly positive
5	50.0-99.9	Strongly positive
6	> or =100	Strongly positive

Concentrations of 0.70 kU/L or more (class 2 and above) will flag as abnormally high. Reference values apply to all ages.

Specimen Requirements:

Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube Plastic vial
Specimen Volume: 0.6 mL
Collection Instructions: Centrifuge and aliquot serum into a plastic vial.
Minimum Volume: 0.4 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	14 days
	Frozen	90 days

Cautions:

Clinical correlation of results from in vitro IgE testing with patient history of allergic or anaphylactic responses to walnuts is recommended.

Negative results for IgE antibodies to walnut and walnut allergenic components do not completely exclude the possibility of clinically relevant allergic responses upon exposure.

Positive results for IgE antibodies to walnut or any potential walnut allergenic components are not diagnostic for walnut allergy and only indicate patient may be sensitized to walnut or a cross-reactive allergen.

Testing for IgE antibodies may not be useful in patients previously treated with immunotherapy to determine if residual clinical sensitivity exists or in patients whose medical management does not depend upon the identification of allergen specificity.

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.

Cross-reacting carbohydrate determinants may also result in positive total walnut specific IgE testing.

CPT Code:

86003

Day(s) Performed: Monday through Friday

Report Available: Same day/1 to 3 days

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.