

TEST CHANGE

Allergen, Food, Peanut Components IgE

2007211, PEANUT COM

Specimen Requirements:

Patient Preparation: Multiple patient encounters should be avoided

Collect: Serum separator tube (SST). Multiple specimen tubes should be avoided. Include all available specimen.

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 1.0-6 mL serum plus 0.1 mL for each additional allergen ordered to an ARUP standard transport tube. Standard Transport Tube. (Min: 0.54 mL plus 0.04 mL for each additional allergen ordered). Refer to "Allergen Specimen Collection Instructions" at www.aruplab.com/testing/resources/specimen.

Transport Temperature: Refrigerated

Unacceptable Conditions: Hemolyzed, icteric, or lipemic specimens

Remarks:

Stability: After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year

Methodology: Quantitative ImmunoCAP Fluorescent Enzyme Immunoassay

Performed: Sun-Sat

Reported: 1-3 days

Note: Test methodology uses solid-phase immunoassays against the whole peanut allergen (f13) and 6 antigenic epitopes (Ara h1, Ara h2, Ara h3, Ara h6, Ara h8, and Ara h9) and measures IgE antibody concentrations in patient serum or plasma. The binding of a specific IgE to an immobilized allergen component is detected by the addition of a secondary fluorescence-labeled anti-human IgE antibody.

CPT Codes: 86003; 86008 x6

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

Allergen results of 0.10-0.34 kU/L for whole peanut are intended for specialist use as the clinical relevance is undetermined. Even though increasing ranges are reflective of increasing concentrations of allergen-specific IgE, these concentrations may not correlate with the degree of clinical response or skin testing results when challenged with a specific allergen. The correlation of allergy laboratory results with clinical history and in vivo reactivity to specific allergens is essential. A negative test may not rule out clinical allergy or even anaphylaxis.

Reporting Range (reported in kU/L)	Probability of IgE Mediated Clinical Reaction	Class Scoring
Less than 0.10	No significant level detected	0
0.10 - 0.34	Clinical relevance undetermined	0/1
0.35 - 0.70	Low	1
0.71 - 3.50	Moderate	2
3.51 - 17.50	High	3
17.51 - 50.00	Very high	4
50.01 - 100.00	Very high	5
Greater than 100.00	Very high	6

Reference Interval:

Test Number	Components	Reference Interval
	Allergen, Food, Peanut IgE	Less than or equal to 0.34 kU/L
	Allergen, Food, Severe Peanut Ara h 1	Less than or equal to 0.09 kU/L
	Allergen, Food, Severe Peanut Ara h 2	Less than or equal to 0.09 kU/L
	Allergen, Food, Severe Peanut Ara h 3	Less than or equal to 0.09 kU/L
	Allergen, Food, Severe Peanut Ara h 9	Less than or equal to 0.09 kU/L
	Allergen, Food, Mild Peanut Ara h 8	Less than or equal to 0.09 kU/L
	Allergen, Food, Severe Peanut Ara h 6	Less than or equal to 0.09 kU/L