

Allergy, Shellfish Panel

Test ID: 9949

CPT: 86003 (x4)

Clinical Significance

Allergy Panel 19, Seafood Group -

This in vitro allergen-specific IgE panel is used to quantitatively measure an individual's IgE response to 6 different seafood that are commonly associated with allergies. These shellfish include codfish, crab, lobster, salmon, shrimp, and tuna. This IgE panel is intended to be used in conjunction with other clinical information to aid in the diagnosis of food allergies [1].

While allergen-specific serum IgE testing is considered comparable to skin testing in many instances, both the American Academy of Allergy, Asthma, and Immunology and the American College of Allergy, Asthma, and Immunology recognize that allergen-specific serum IgE testing may be preferred in some clinical situations. These include (1) the presence of widespread skin disease, (2) the recent use of antihistamines or other medications that can affect the results of allergy skin tests, (3) uncooperative patients, and (4) medical history suggesting that allergen skin testing would pose a significant risk for a serious allergic reaction [1].

Food-specific IgE tests are extremely sensitive. However, a positive test result only indicates that a patient is IgE-sensitized to the food of concern. Many IgE-sensitized individuals do not develop any symptoms when the food is ingested. A diagnosis of food allergy should only be made by a trained medical provider after conducting a thorough clinical evaluation [2,3]. While food-specific IgE test results may contribute to that evaluation, they cannot replace it. Moreover, several forms of food hypersensitivity are not associated with the presence of food-specific IgE in serum.

The results of this panel should be interpreted in the context of pertinent clinical and family history and physical examination findings. More specific information about each allergen included in this panel may be found on the Quest Diagnostics Test Directory.

References

1. Bernstein IL, et al. Ann Allergy Asthma Immunol. 2008;100(3 Suppl 3):S1-S148.
2. Sampson HA, et al. J Allergy Clin Immunol. 2014;134(5):1016-1025.
3. NIAID-Sponsored Expert Panel, Boyce JA, et al. J Allergy Clin Immunol. 2010;126(6 Suppl):S1-S58

Test Details

Components: Clam (f207)

Crab (f23)

Lobster (f80)

Shrimp (f24)

Methodology: Immunoassay (IA)

Reference Range

See Laboratory Report

Container

Serum separator tube (SST)

Transport Temperature

Room temperature

Specimen(s)

Serum

Minimum Volume
1 mL

Specimen Stability

Room temperature: 14 days

Refrigerated: 14 days

Frozen: 30 days

Reject Criteria

Days Performed

Collection Instructions

*The CPT codes provided are based on AMA guidance and are for informational purposes only. CPT coding is the sole responsibility of the billing party. Please direct any questions regarding coding to the payer being billed.