

CLINICAL SPECIFICATIONS

HAZELNUT, RAW + ROASTED

Antigen Made From:

Raw Hazelnuts (Filberts), one half were dry roasted in the oven for 10 minutes

Associated With:

Hazelnut immune reactivity

Known Cross-Reactions: Anti-EBV VCA IgG, Anti-B. burgdorferi antibodies; Birch pollen, Carrot, Celery, Fennel, Pomegranate, Peanut, Kiwi, Sesame seeds, Poppy seeds, Coconut, Walnut, Pecan²⁻⁵

Clinical Significance:

One hundred grams of roasted hazelnuts contain 15% protein.⁶ Studies on food immune reactivities predominantly use raw food antigens. However, some researchers have noted that heating, or combining, food proteins can change their antigenicity.⁷⁻⁹

This array tests for IgG and IgA food immune reactivity. 10,11 Equivocal or out-of-range results indicate antibody reactivity to the tested food antigen. We tested 288 blood donor sera against roasted hazelnut antigens at optimal dilution, 15.6% of these donors were IgG and IgA reactive.

Due to cross-reactivity, possible connections between food antigens and human autoimmunity has been previously suggested because proteins in nature can have a similarity in sequence and structure to certain human tissues. 12-15

Data suggests that eliminating foods identified using IgG antibody food testing can play a role in improvement of symptoms.

Because certain food components can lead to gut flora changes and gut permeability, eliminating specified food antigens should result in the reduction of antigenic stimuli and the improvement of symptoms.

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The results of this food array may be used to develop and implement an immune targeted dietary plan, which includes the avoidance of triggering and known cross-reactive foods. Furthermore, when followed over time, avoidance/prevention treatment plans tailored and supervised by the ordering healthcare professional, may help: (a) repair the gut barrier; and (b) re-establish oral tolerance to the offending food. 16,17

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