






## Memorandum – Immunology # 23

To: UNC Health Attending Physicians, Faculty  
Practice Physicians, Housestaff, Clinical Nurse Coordinators,  
Department Heads and Supervisors

From:  John Schmitz, PhD  
Director, Immunology Laboratory

 Eric Weimer, PhD  
Associate Director, Immunology Laboratory

 Herbert C. Whinna, MD, PhD  
Medical Director, McLendon Laboratories

Date: September 20, 2024

**Subject: Allergy Component Testing**

---

Effective 9/23/2024 the Clinical Immunology Laboratory will perform component testing for peanut, hazelnut, cashew, Brazil nut and Walnut using the Thermofisher/Phadia ImmunoCap System. The following table lists the components and associated lab test number:

Allergen	Components	Lab Order #
Peanut	Ara h 1, Ara h 2, Ara h 3, Ara h 6, Ara h 8, Ara h 9	LAB 16061
Hazelnut	Cor a 1, Cor a 8, Cor a 9, Cor a 14	LAB 11427
Cashew	Ana o 3	LAB 11572
Brazil nut	rBer e 1	LAB203368
Walnut	R Jug r 1, rJug r 3	LAB604443

These tests are not recommended for initial screening of allergic sensitization to the indicated nuts. Initial testing is best conducted with allergen extracts. Component testing is indicated for defining reactivity to specific allergen components which may aid in risk assessment of allergen extract positive patients. Results are reported in kU/L IgE antibody and interpreted per the following table:

**Result Interpretation (kU/L IgE antibody)**

Result (kU/L)	Interpretation
<0.35	No or low specific IgE
0.35 – 0.69	Moderate sensitization
0.70 – 3.49	High sensitization
3.50 – 17.49	Very high sensitization
17.50 – 49.99	Extremely high sensitization
>50.0	Strong sensitization

Information on individual allergens, allergen panels and components can be found at <https://www.unccmedicalcenter.org/mclendon-clinical-laboratories/available-tests/allergy-ige-specific/>

Please contact the Immunology Laboratory (984-974-1815) with questions.