

ALLERGEN
SPECIFIC
IGE,
SERUM

Orderable - RASTI + Allergen Code

Turn Around Time: 15 days

Alternate Name(s):

Immunoglobulin E, Allergen Specific
RAST Test

Specimen:

Adult	Pediatric
5 mL Gold top Vacutainer tube or 6 mL Red top Vacutainer tube	0-2 years: Red 0.5 mL Microtainer (this volume sufficient for maximum of 2 allergens) 2-10 years: 2 mL Red top (this volume sufficient for 10-12 allergens)
Each test requires 50 µL and 2 mL is sufficient for 10-12 tests.	

Collection Information:

Allergen must be specified.

****NOTE: RASTI** must be ordered once with each set of allergens on the same accession number. This adds interpretative information to the report.

The following are the common allergen ordering patterns

Nuts ordering pattern:

Peanut (f13)
Peanut rAr h2 (f423)
Hazel Nut (f17)
Almond (f20)
Walnut (f256)
Pistachio (f203)
Brazil Nut (f18)
Pecan Nut (f201)
Cashew Nut (f202)



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
PHADIA IMMUNOCAP
(Fluorescent Enzyme
Immunoassay)



Test Schedule:
Referred out Monday-
Thursday



Referred Out Location:
[In-Common Laboratories](#)



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Inhalants/Animal ordering pattern:

Dermatophagoides pteronyssinus Mite (d1)
Dermatophagoides farinae Mite (d2)
Dog Dander (e5)
Cat Dander (e1)
Common Ragweed Pollen (w1)
Alternaria alternata (m6)
Grass Pollens Mix 1 (gx1)
Tree Pollen Mix 4 (tx4)
Cladosporium herbarum (m2)
Tree Pollen Mix 6 (tx6)
Aspergillus fumigatus (m3)
Common Silver Birch Pollen (t3)
Horse Dander (e3)
Grass Pollens Mix 2 (gx2)
Penicillium chrysogenum (P. notatum) (m1)

Food ordering pattern:

Egg White (f1)
Shrimp (f24)
Milk (f2)
Sesame Seed (f10)
Egg Yolk (f75)
Fish (Cod) (f3)
Kiwi (f84)
Soybean (f14)
Wheat (f4)
Lobster (f80)
Scallop (f338)
Oyster (f290)
Blue Mussel (f37)
Crab (f23)
Clam (f207)
Salmon (f41)

Insects venoms ordering pattern:

Common Wasp (Yellow Jacket) Venom (i3)
Honey Bee Venom (i1)
White-Faced Hornet Venom (i2)
Paper Wasp Venom (i4)
Yellow Hornet venom (i5)



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Reference Ranges:

IgE Activity Allergy Index:	
<0.35 kU/L 0:	No sensitivity
0.35 - 0.69 kU/L 1:	Low
0.70 – 3.49 kU/L 2:	Moderate
3.50 – 17.49 kU/L 3:	High
17.50 – 49.99 kU/L 4:	Very High
50.00 – 100.00 kU/L 5:	Very High
>100.00 kU/L 6:	Extremely High

Interpretive Comments:

Clinician must determine clinical significance of specific IgE result after correlation with clinical exam and history.

Detectable levels are present in patients with allergic disease and in approx. 15% of asymptomatic healthy persons. Some with classic atopic symptoms may not have detectable levels. Specific IgE may decrease with time and lack of exposure to allergens.

Use caution when interpreting drug, venom and potential anaphylactic allergen results.

Comments:

This test is available to LHSC/SJHC's Allergists, Clinical Pharmacologists and Pediatric Respirologists. All other test requests will require approval by the on-call Biochemist. Testing limited to 5 orders within an ordering pattern and a maximum of 10 specific allergens across all ordering patterns. Additional requests require approval by the on-call Biochemist.

Rare allergen tests are no longer available on Powerchart, if these tests are required the physician needs to call the on-call biochemist. Approved tests can be ordered with DOE.

Storage and Shipment:

Store and ship frozen.