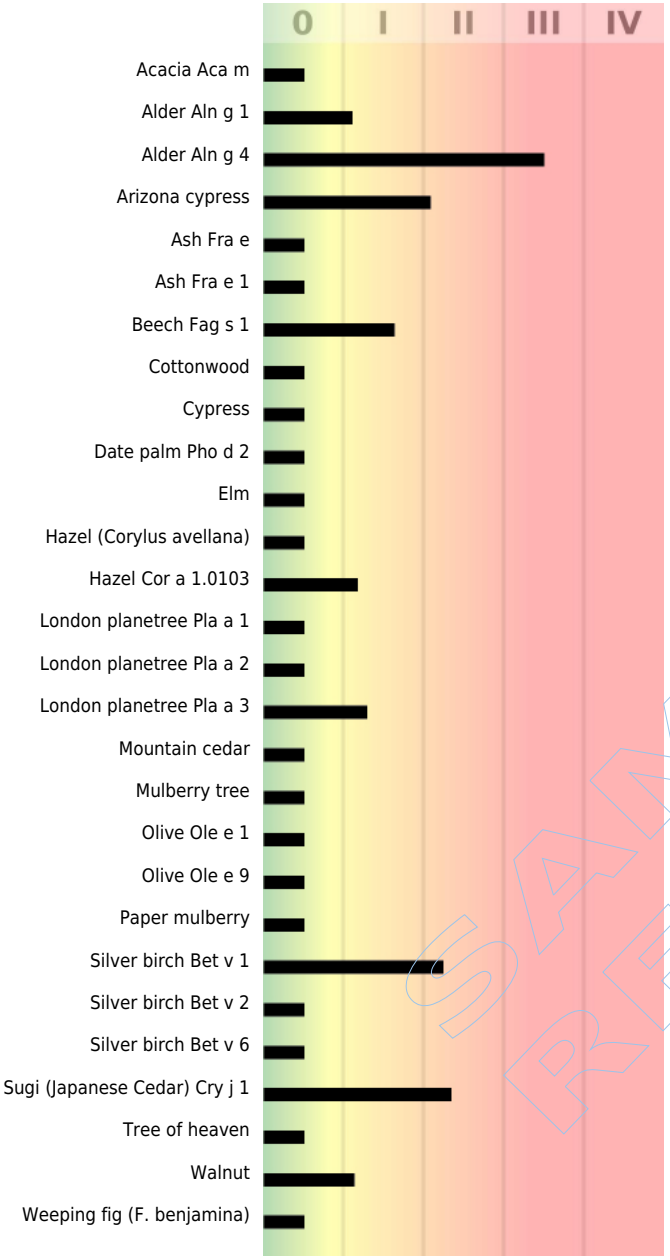
295 Food, Inhalant & Components Panel: IgE

Complete Report

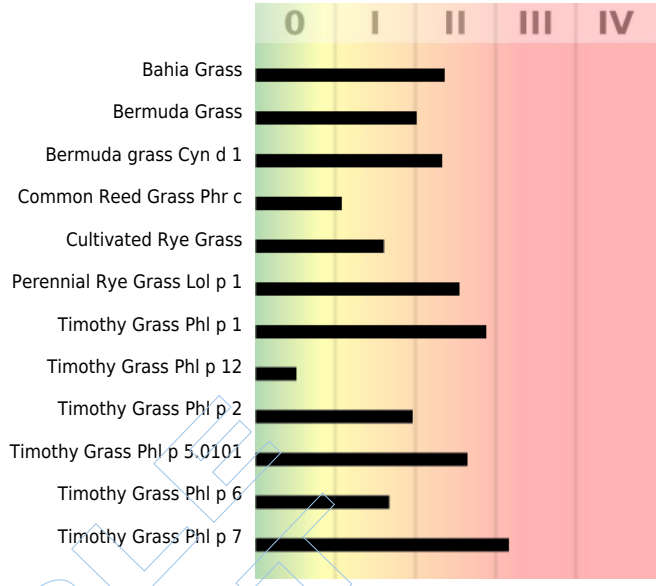
Provider: Sample Report
Patient:
Accession #:
Collected:
Sex:
Age:
Received:
Sample Type: Serum
Date of Birth:
Completed:
IgE [redacted]

CLIA #: 50D0965661
CAP accredited

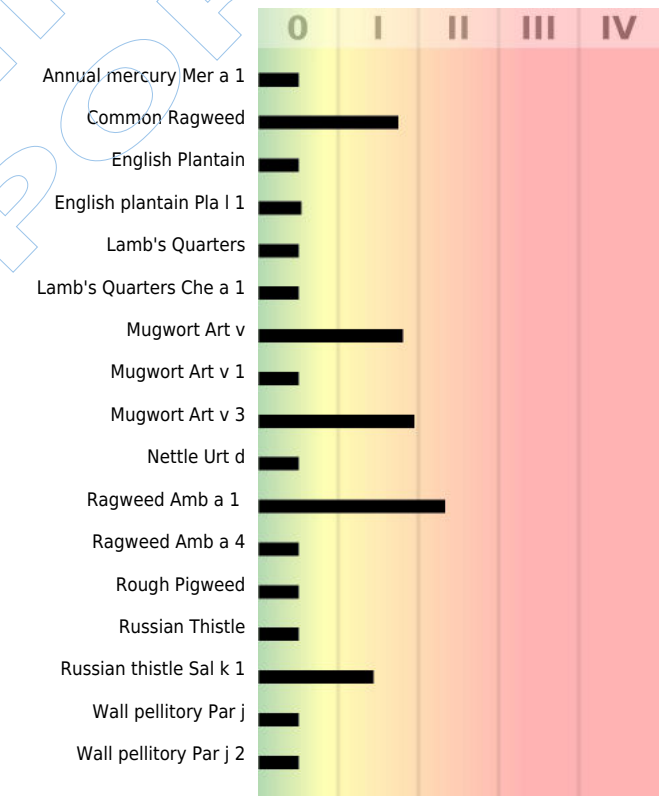
Trees



Grasses



Weeds



CCD Marker

Semi-Quantitative Immunoassay (ELISA). The test performance characteristics were determined by US BioTek Laboratories, LLC. This test has not been cleared or approved by the US Food and Drug Administration (FDA). IgE test results should be used in conjunction with other relevant clinical information by healthcare providers to diagnose IgE-mediated allergic disorders.

0	I	II	III	IV
Absent or Not Detectable	Low	Moderate	High	Very High

Provider: Sample Report
Patient:
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Sex:
Age:
Received:
Sample Type: Serum
Date of Birth:
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IgE

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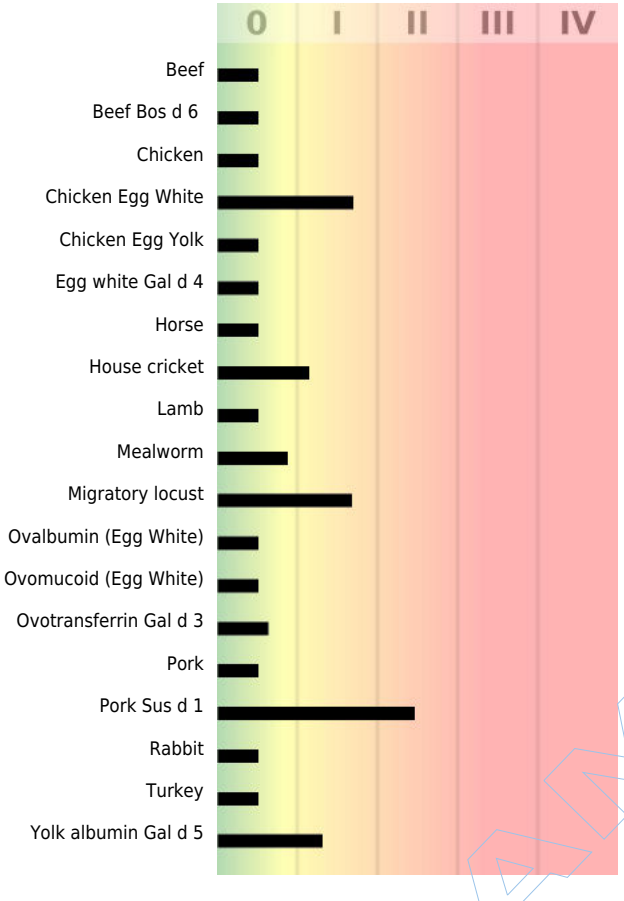
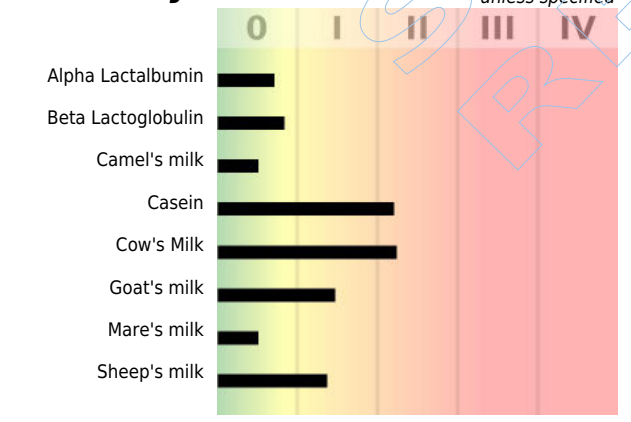
Egg/Meat/Poultry

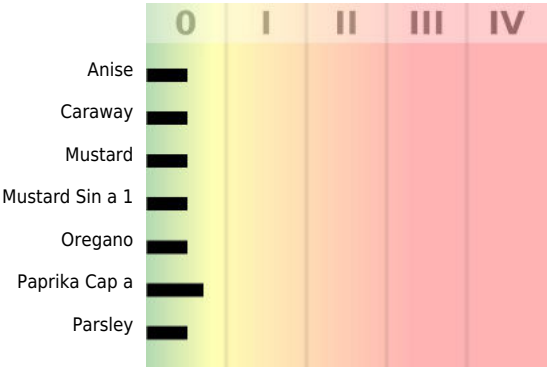


Dairy

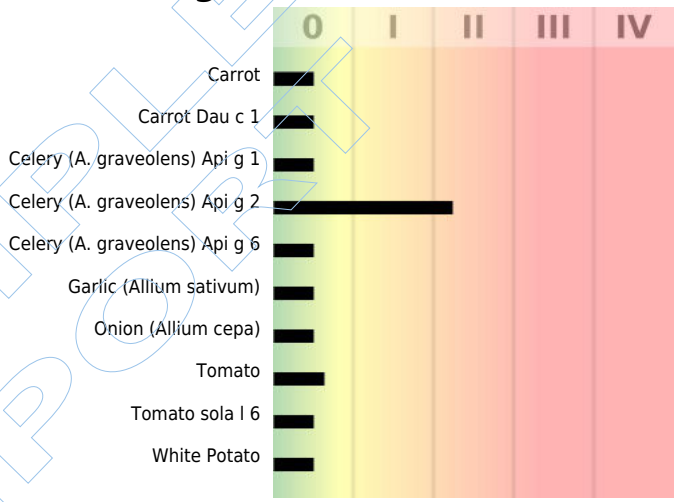
Bovine-derived unless specified



Spices

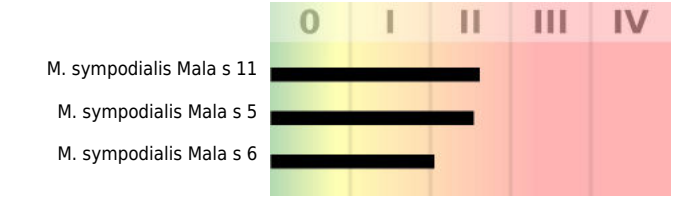


Vegetables



Yeast

Skin Yeasts



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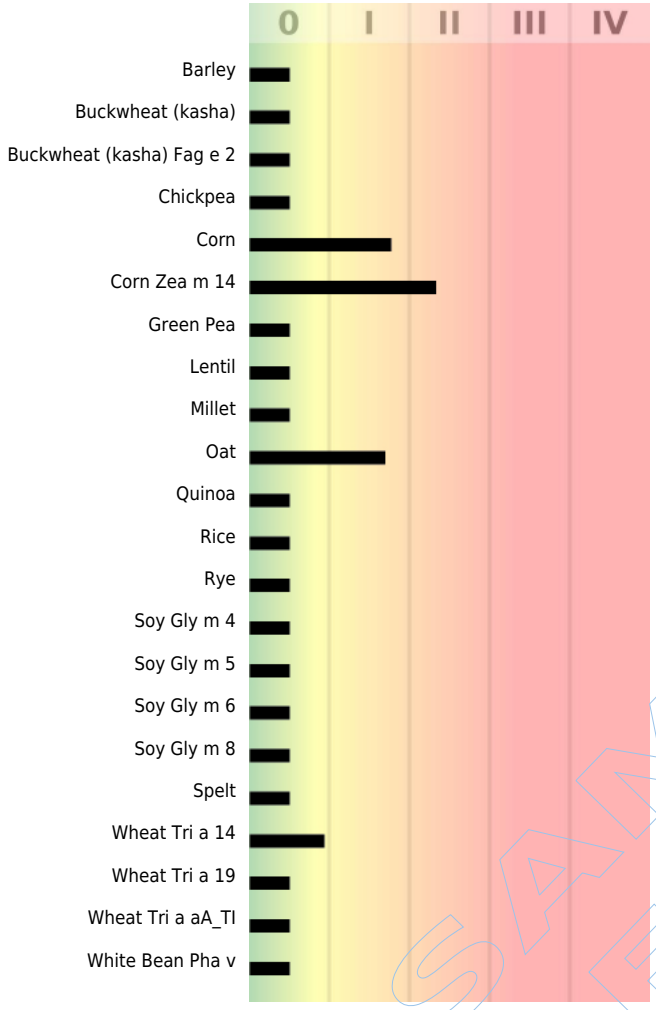
Absent or Not Detectable	Low	Moderate	High	Very High

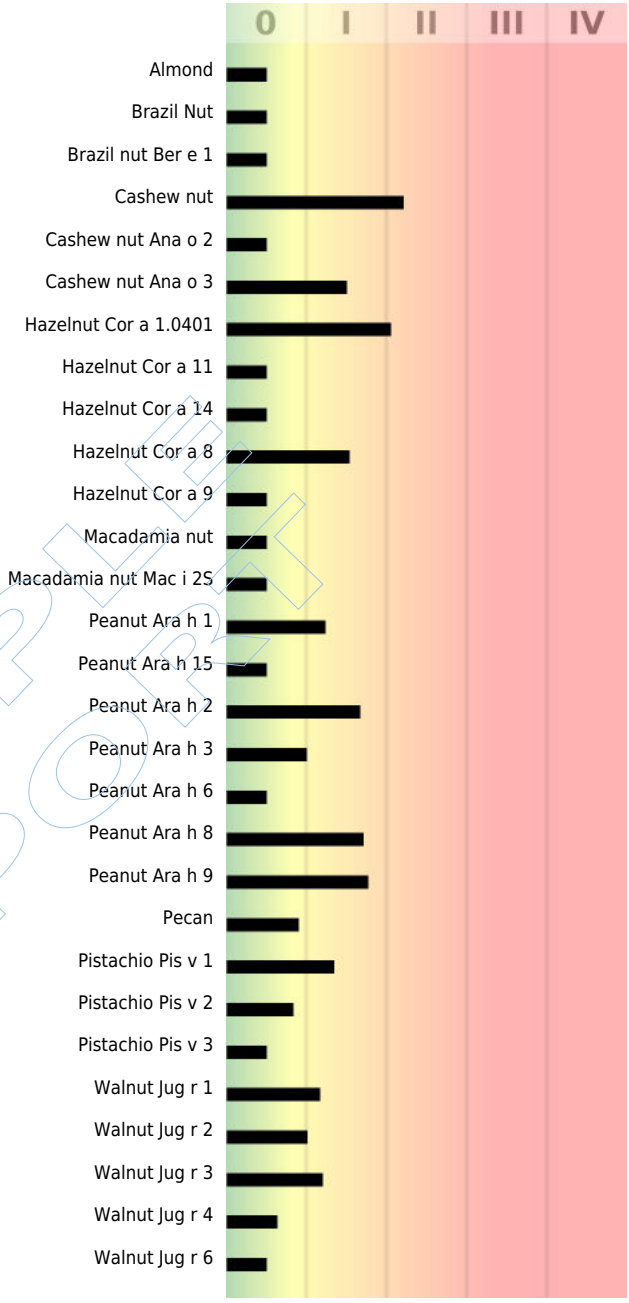
Provider: Sample Report
Patient: **Sex:** **Sample Type:** Serum
Accession #: **Age:** **Date of Birth:** IgE
Collected: **Received:** **Completed:**

CLIA #: 50D0965661
CAP accredited

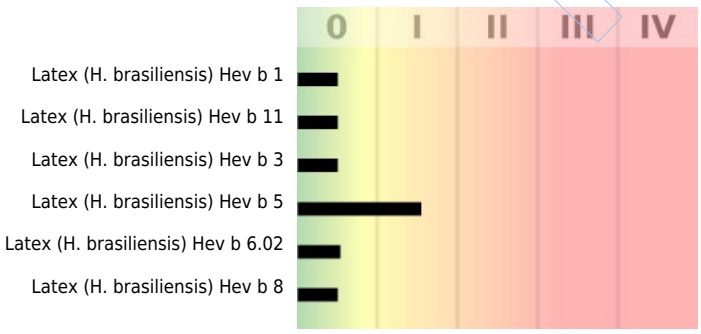
Grains & Legumes



Nuts



Latex



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IgE [redacted]

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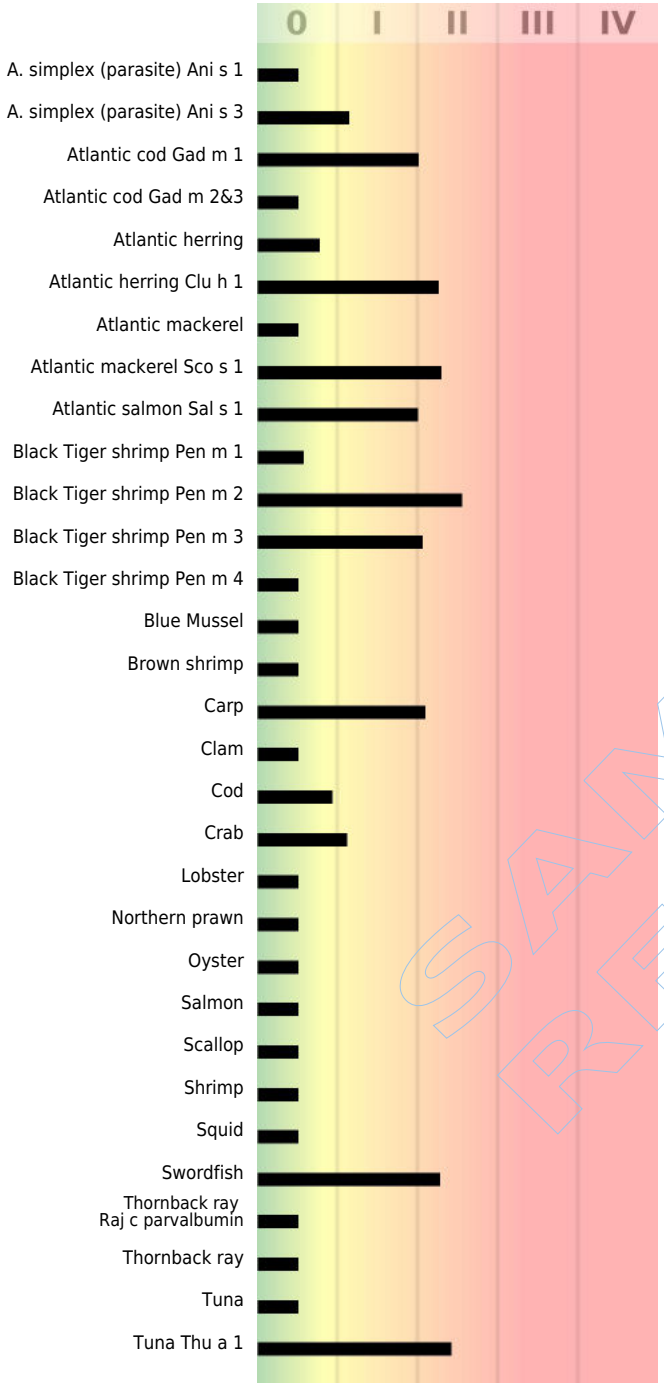
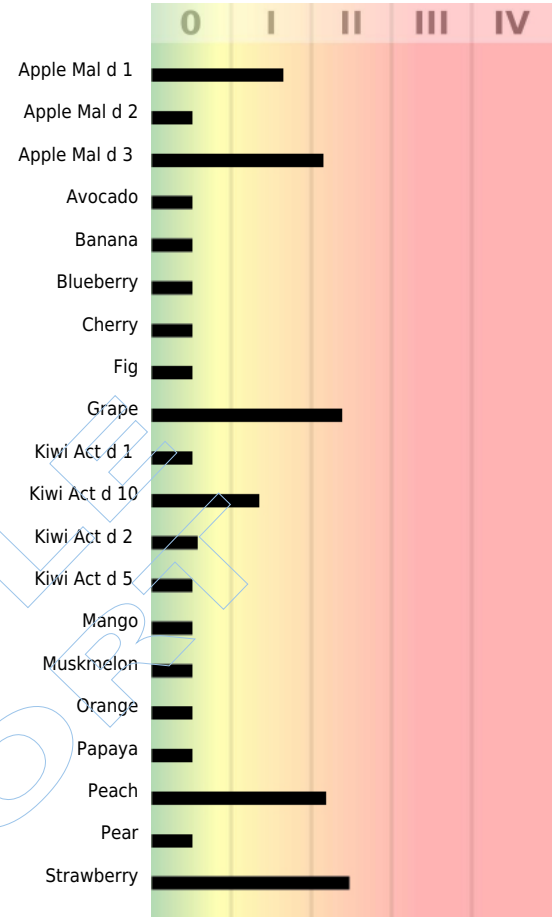
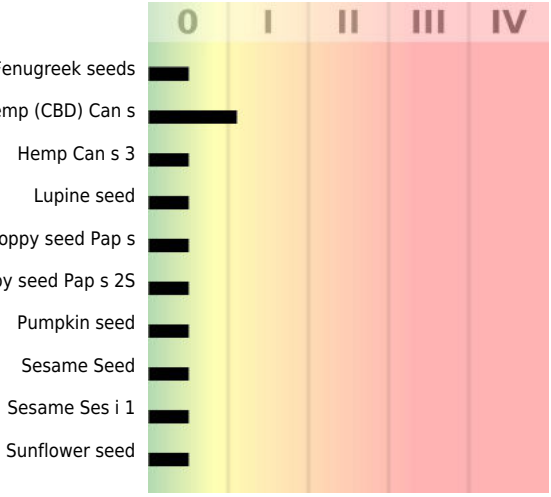
Seafood



Fruits



Seeds



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Sample Type: Serum
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IgE [redacted]

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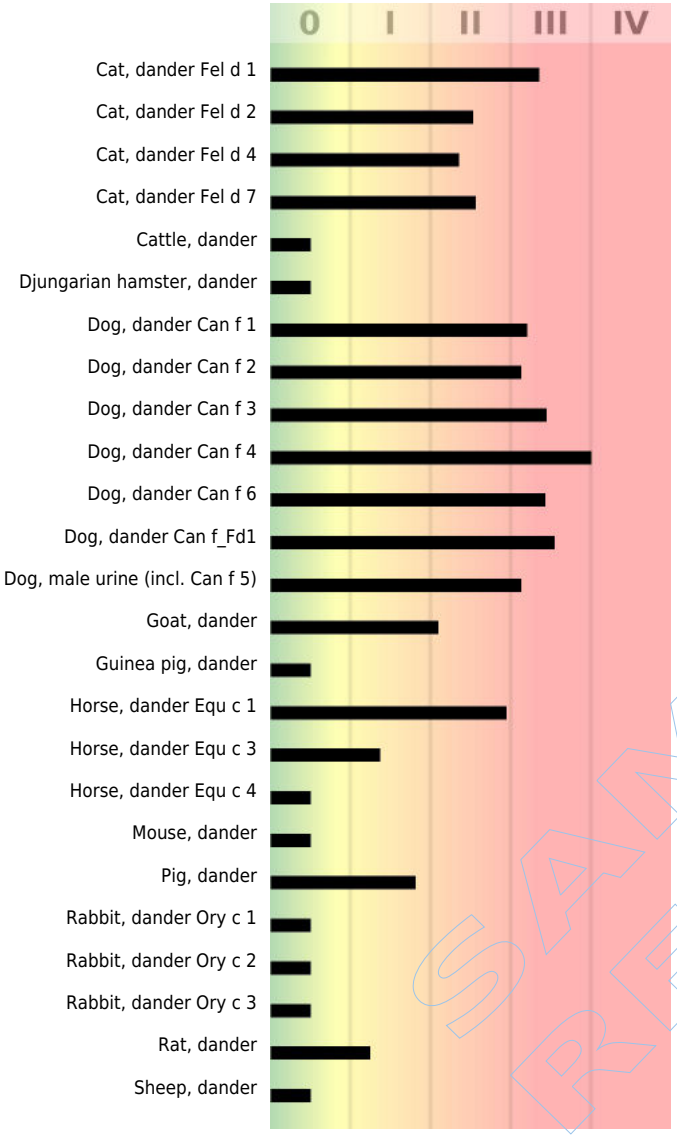
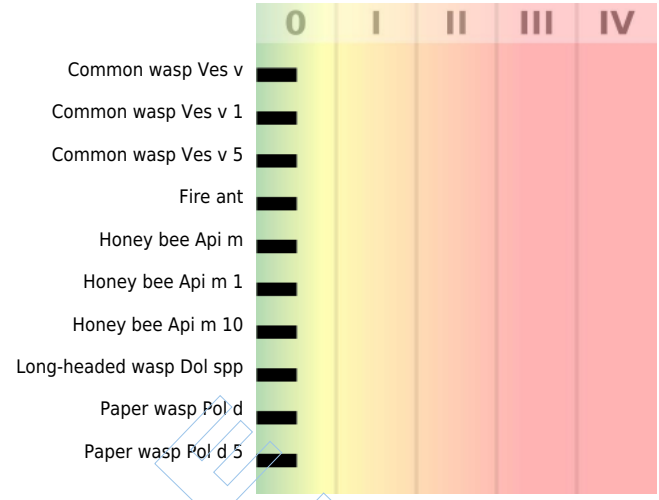
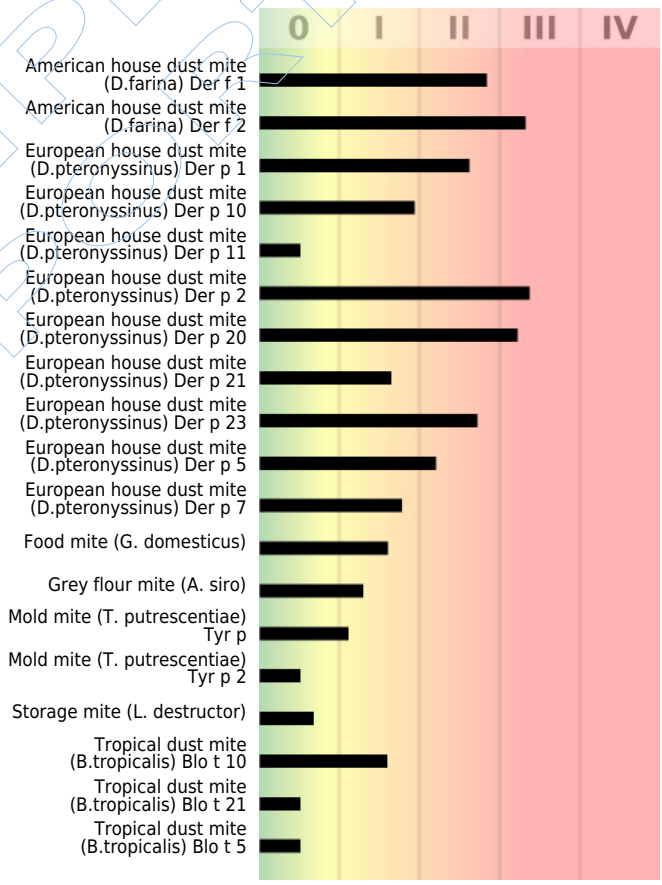
Dander and Epithelia



Insect Venoms



Mites



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Sample Type: Serum
Date of Birth:
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IgE [redacted]

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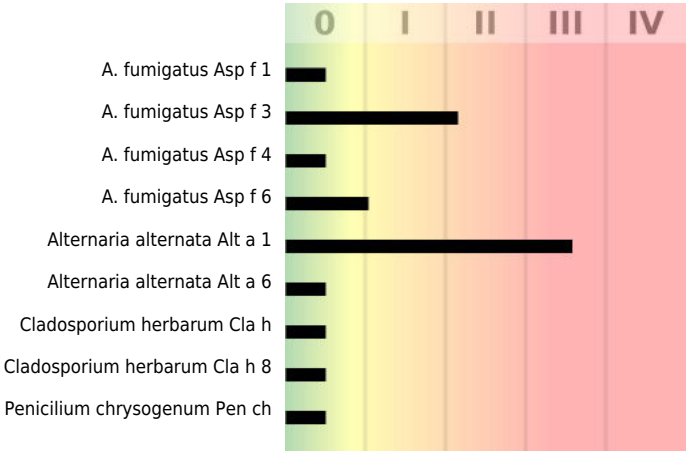
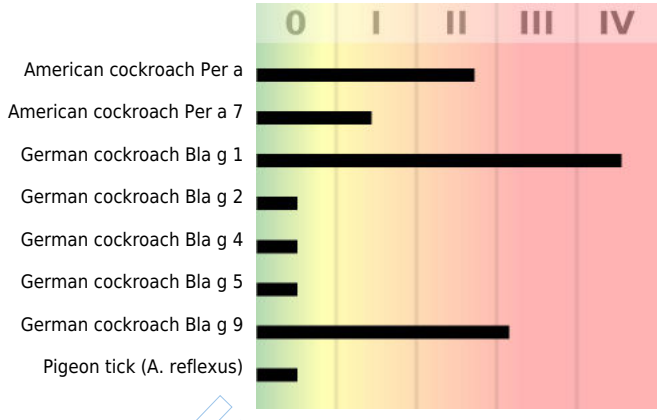
Molds



Insects



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Sample Type: Serum
Date of Birth:
Completed:
IgE [redacted]

CLIA #: 50D0965661
CAP accredited

Trees

Antigen Name	Analyte	Class	Value	Class Cut Off
Acacia Aca m	IgE	Absent	< 0.30 kU/L	<0.30
Alder Aln g 1	IgE	Low	0.37 kU/L	0.30 - <1.0
Alder Aln g 4	IgE	High	10.03 kU/L	5.0 - <15.0
Arizona cypress	IgE	Moderate	1.33 kU/L	1.0 - <5.0
Ash Fra e	IgE	Absent	< 0.30 kU/L	<0.30
Ash Fra e 1	IgE	Absent	< 0.30 kU/L	<0.30
Beech Fag s 1	IgE	Low	0.74 kU/L	0.30 - <1.0
Cottonwood	IgE	Absent	< 0.30 kU/L	<0.30
Cypress	IgE	Absent	< 0.30 kU/L	<0.30
Date palm Pho d 2	IgE	Absent	< 0.30 kU/L	<0.30
Elm	IgE	Absent	< 0.30 kU/L	<0.30
Hazel (Corylus avellana)	IgE	Absent	< 0.30 kU/L	<0.30
Hazel Cor a 1.0103	IgE	Low	0.42 kU/L	0.30 - <1.0
London planetree Pla a 1	IgE	Absent	< 0.30 kU/L	<0.30
London planetree Pla a 2	IgE	Absent	< 0.30 kU/L	<0.30
London planetree Pla a 3	IgE	Low	0.50 kU/L	0.30 - <1.0
Mountain cedar	IgE	Absent	< 0.30 kU/L	<0.30
Mulberry tree	IgE	Absent	< 0.30 kU/L	<0.30
Olive Ole e 1	IgE	Absent	< 0.30 kU/L	<0.30
Olive Ole e 9	IgE	Absent	< 0.30 kU/L	<0.30
Paper mulberry	IgE	Absent	< 0.30 kU/L	<0.30
Silver birch Bet v 1	IgE	Moderate	1.94 kU/L	1.0 - <5.0
Silver birch Bet v 2	IgE	Absent	< 0.30 kU/L	<0.30
Silver birch Bet v 6	IgE	Absent	< 0.30 kU/L	<0.30
Sugi (Japanese Cedar) Cry j 1	IgE	Moderate	2.36 kU/L	1.0 - <5.0
Tree of heaven	IgE	Absent	< 0.30 kU/L	<0.30
Walnut	IgE	Low	0.39 kU/L	0.30 - <1.0
Weeping fig (F. benjamina)	IgE	Absent	< 0.30 kU/L	<0.30

CCD Marker

Antigen Name	Analyte	Class	Value	Class Cut Off
CCD (Hom s lactoferrin) Hom s LF	IgE	Absent	< 0.30 kU/L	<0.30

Grasses

Antigen Name	Analyte	Class	Value	Class Cut Off
Bahia Grass	IgE	Moderate	2.42 kU/L	1.0 - <5.0
Bermuda Grass	IgE	Moderate	1.03 kU/L	1.0 - <5.0
Bermuda grass Cyn d 1	IgE	Moderate	2.29 kU/L	1.0 - <5.0
Common Reed Grass Phr c	IgE	Low	0.35 kU/L	0.30 - <1.0
Cultivated Rye Grass	IgE	Low	0.72 kU/L	0.30 - <1.0
Perennial Rye Grass Lol p 1	IgE	Moderate	3.17 kU/L	1.0 - <5.0
Timothy Grass Phl p 1	IgE	Moderate	4.51 kU/L	1.0 - <5.0
Timothy Grass Phl p 12	IgE	Absent	< 0.30 kU/L	<0.30
Timothy Grass Phl p 2	IgE	Low	0.97 kU/L	0.30 - <1.0
Timothy Grass Phl p 5.0101	IgE	Moderate	3.57 kU/L	1.0 - <5.0
Timothy Grass Phl p 6	IgE	Low	0.76 kU/L	0.30 - <1.0
Timothy Grass Phl p 7	IgE	High	6.61 kU/L	5.0 - <15.0

Weeds

Antigen Name	Analyte	Class	Value	Class Cut Off
Annual mercury Mer a 1	IgE	Absent	< 0.30 kU/L	<0.30
Common Ragweed	IgE	Low	0.82 kU/L	0.30 - <1.0
English Plantain	IgE	Absent	< 0.30 kU/L	<0.30
English plantain Pla l 1	IgE	Absent	< 0.30 kU/L	<0.30
Lamb's Quarters	IgE	Absent	< 0.30 kU/L	<0.30
Lamb's Quarters Che a 1	IgE	Absent	< 0.30 kU/L	<0.30
Mugwort Art v	IgE	Low	0.86 kU/L	0.30 - <1.0
Mugwort Art v 1	IgE	Absent	< 0.30 kU/L	<0.30
Mugwort Art v 3	IgE	Low	0.96 kU/L	0.30 - <1.0

Weeds (Continued)

Antigen Name	Analyte	Class	Value	Class Cut Off
Nettle Urt d	IgE	Absent	< 0.30 kU/L	<0.30
Ragweed Amb a 1	IgE	Moderate	2.33 kU/L	1.0 - <5.0
Ragweed Amb a 4	IgE	Absent	< 0.30 kU/L	<0.30
Rough Pigweed	IgE	Absent	< 0.30 kU/L	<0.30
Russian Thistle	IgE	Absent	< 0.30 kU/L	<0.30
Russian thistle Sal k 1	IgE	Low	0.60 kU/L	0.30 - <1.0
Wall pellitory Par j	IgE	Absent	< 0.30 kU/L	<0.30
Wall pellitory Par j 2	IgE	Absent	< 0.30 kU/L	<0.30

Egg/Meat/Poultry

Antigen Name	Analyte	Class	Value	Class Cut Off
Beef	IgE	Absent	< 0.30 kU/L	<0.30
Beef Bos d 6	IgE	Absent	< 0.30 kU/L	<0.30
Chicken	IgE	Absent	< 0.30 kU/L	<0.30
Chicken Egg White	IgE	Low	0.78 kU/L	0.30 - <1.0
Chicken Egg Yolk	IgE	Absent	< 0.30 kU/L	<0.30
Egg white Gal d 4	IgE	Absent	< 0.30 kU/L	<0.30
Horse	IgE	Absent	< 0.30 kU/L	<0.30
House cricket	IgE	Low	0.40 kU/L	0.30 - <1.0
Lamb	IgE	Absent	< 0.30 kU/L	<0.30
Mealworm	IgE	Absent	< 0.30 kU/L	<0.30
Migratory locust	IgE	Low	0.77 kU/L	0.30 - <1.0
Ovalbumin (Egg White)	IgE	Absent	< 0.30 kU/L	<0.30
Ovomucoid (Egg White)	IgE	Absent	< 0.30 kU/L	<0.30
Ovotransferrin Gal d 3	IgE	Absent	< 0.30 kU/L	<0.30
Pork	IgE	Absent	< 0.30 kU/L	<0.30
Pork Sus d 1	IgE	Moderate	2.82 kU/L	1.0 - <5.0
Rabbit	IgE	Absent	< 0.30 kU/L	<0.30
Turkey	IgE	Absent	< 0.30 kU/L	<0.30
Yolk albumin Gal d 5	IgE	Low	0.51 kU/L	0.30 - <1.0

Dairy

Antigen Name	Analyte	Class	Value	Class Cut Off
Alpha Lactalbumin	IgE	Absent	< 0.30 kU/L	<0.30
Beta Lactoglobulin	IgE	Absent	< 0.30 kU/L	<0.30
Camel's milk	IgE	Absent	< 0.30 kU/L	<0.30
Casein	IgE	Moderate	1.81 kU/L	1.0 - <5.0
Cow's Milk	IgE	Moderate	1.90 kU/L	1.0 - <5.0
Goat's milk	IgE	Low	0.62 kU/L	0.30 - <1.0
Mare's milk	IgE	Absent	< 0.30 kU/L	<0.30
Sheep's milk	IgE	Low	0.55 kU/L	0.30 - <1.0

Spices

Antigen Name	Analyte	Class	Value	Class Cut Off
Anise	IgE	Absent	< 0.30 kU/L	<0.30
Caraway	IgE	Absent	< 0.30 kU/L	<0.30
Mustard	IgE	Absent	< 0.30 kU/L	<0.30
Mustard Sin a 1	IgE	Absent	< 0.30 kU/L	<0.30
Oregano	IgE	Absent	< 0.30 kU/L	<0.30
Paprika Cap a	IgE	Absent	< 0.30 kU/L	<0.30
Parsley	IgE	Absent	< 0.30 kU/L	<0.30

Vegetables

Antigen Name	Analyte	Class	Value	Class Cut Off
Carrot	IgE	Absent	< 0.30 kU/L	<0.30
Carrot Dau c 1	IgE	Absent	< 0.30 kU/L	<0.30
Celery (A. graveolens) Api g 1	IgE	Absent	< 0.30 kU/L	<0.30
Celery (A. graveolens) Api g 2	IgE	Moderate	1.94 kU/L	1.0 - <5.0
Celery (A. graveolens) Api g 6	IgE	Absent	< 0.30 kU/L	<0.30
Garlic (Allium sativum)	IgE	Absent	< 0.30 kU/L	<0.30

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Vegetables (Continued)

Antigen Name	Analyte	Class	Value	Class Cut Off
Onion (Allium cepa)	IgE	Absent	< 0.30 kU/L	<0.30
Tomato	IgE	Absent	< 0.30 kU/L	<0.30
Tomato sola l 6	IgE	Absent	< 0.30 kU/L	<0.30
White Potato	IgE	Absent	< 0.30 kU/L	<0.30

Yeast

Antigen Name	Analyte	Class	Value	Class Cut Off
Baker's Yeast (Sacccaromyces cerevisiae)	IgE	Absent	< 0.30 kU/L	<0.30

Skin Yeasts

Antigen Name	Analyte	Class	Value	Class Cut Off
M. sympodialis Mala s 11	IgE	Moderate	3.42 kU/L	1.0 - <5.0
M. sympodialis Mala s 5	IgE	Moderate	3.11 kU/L	1.0 - <5.0
M. sympodialis Mala s 6	IgE	Moderate	1.15 kU/L	1.0 - <5.0

Grains & Legumes

Antigen Name	Analyte	Class	Value	Class Cut Off
Barley	IgE	Absent	< 0.30 kU/L	<0.30
Buckwheat (kasha)	IgE	Absent	< 0.30 kU/L	<0.30
Buckwheat (kasha) Fag e 2	IgE	Absent	< 0.30 kU/L	<0.30
Chickpea	IgE	Absent	< 0.30 kU/L	<0.30
Corn	IgE	Low	0.84 kU/L	0.30 - <1.0
Corn Zea m 14	IgE	Moderate	2.29 kU/L	1.0 - <5.0
Green Pea	IgE	Absent	< 0.30 kU/L	<0.30
Lentil	IgE	Absent	< 0.30 kU/L	<0.30
Millet	IgE	Absent	< 0.30 kU/L	<0.30
Oat	IgE	Low	0.78 kU/L	0.30 - <1.0
Quinoa	IgE	Absent	< 0.30 kU/L	<0.30
Rice	IgE	Absent	< 0.30 kU/L	<0.30
Rye	IgE	Absent	< 0.30 kU/L	<0.30
Soy Gly m 4	IgE	Absent	< 0.30 kU/L	<0.30
Soy Gly m 5	IgE	Absent	< 0.30 kU/L	<0.30
Soy Gly m 6	IgE	Absent	< 0.30 kU/L	<0.30
Soy Gly m 8	IgE	Absent	< 0.30 kU/L	<0.30
Spelt	IgE	Absent	< 0.30 kU/L	<0.30
Wheat Tri a 14	IgE	Absent	< 0.30 kU/L	<0.30
Wheat Tri a 19	IgE	Absent	< 0.30 kU/L	<0.30
Wheat Tri a aA_TI	IgE	Absent	< 0.30 kU/L	<0.30
White Bean Pha v	IgE	Absent	< 0.30 kU/L	<0.30

Latex

Antigen Name	Analyte	Class	Value	Class Cut Off
Latex (H. brasiliensis) Hev b 1	IgE	Absent	< 0.30 kU/L	<0.30
Latex (H. brasiliensis) Hev b 11	IgE	Absent	< 0.30 kU/L	<0.30
Latex (H. brasiliensis) Hev b 3	IgE	Absent	< 0.30 kU/L	<0.30
Latex (H. brasiliensis) Hev b 5	IgE	Low	0.68 kU/L	0.30 - <1.0
Latex (H. brasiliensis) Hev b 6.02	IgE	Absent	< 0.30 kU/L	<0.30
Latex (H. brasiliensis) Hev b 8	IgE	Absent	< 0.30 kU/L	<0.30

Nuts

Antigen Name	Analyte	Class	Value	Class Cut Off
Almond	IgE	Absent	< 0.30 kU/L	<0.30
Brazil Nut	IgE	Absent	< 0.30 kU/L	<0.30
Brazil nut Ber e 1	IgE	Absent	< 0.30 kU/L	<0.30
Cashew nut	IgE	Moderate	1.82 kU/L	1.0 - <5.0
Cashew nut Ana o 2	IgE	Absent	< 0.30 kU/L	<0.30
Cashew nut Ana o 3	IgE	Low	0.65 kU/L	0.30 - <1.0
Hazelnut Cor a 1.0401	IgE	Moderate	1.20 kU/L	1.0 - <5.0

Nuts (Continued)

Antigen Name	Analyte	Class	Value	Class Cut Off
Hazelnut Cor a 11	IgE	Absent	< 0.30 kU/L	<0.30
Hazelnut Cor a 14	IgE	Absent	< 0.30 kU/L	<0.30
Hazelnut Cor a 8	IgE	Low	0.67 kU/L	0.30 - <1.0
Hazelnut Cor a 9	IgE	Absent	< 0.30 kU/L	<0.30
Macadamia nut	IgE	Absent	< 0.30 kU/L	<0.30
Macadamia nut Mac i 2S	IgE	Absent	< 0.30 kU/L	<0.30
Peanut Ara h 1	IgE	Low	0.46 kU/L	0.30 - <1.0
Peanut Ara h 15	IgE	Absent	< 0.30 kU/L	<0.30
Peanut Ara h 2	IgE	Low	0.77 kU/L	0.30 - <1.0
Peanut Ara h 3	IgE	Low	0.30 kU/L	0.30 - <1.0
Peanut Ara h 6	IgE	Absent	< 0.30 kU/L	<0.30
Peanut Ara h 8	IgE	Low	0.80 kU/L	0.30 - <1.0
Peanut Ara h 9	IgE	Low	0.84 kU/L	0.30 - <1.0
Pecan	IgE	Absent	< 0.30 kU/L	<0.30
Pistachio Pis v 1	IgE	Low	0.54 kU/L	0.30 - <1.0
Pistachio Pis v 2	IgE	Absent	< 0.30 kU/L	<0.30
Pistachio Pis v 3	IgE	Absent	< 0.30 kU/L	<0.30
Walnut Jug r 1	IgE	Low	0.42 kU/L	0.30 - <1.0
Walnut Jug r 2	IgE	Low	0.31 kU/L	0.30 - <1.0
Walnut Jug r 3	IgE	Low	0.44 kU/L	0.30 - <1.0
Walnut Jug r 4	IgE	Absent	< 0.30 kU/L	<0.30
Walnut Jug r 6	IgE	Absent	< 0.30 kU/L	<0.30

Seafood

Antigen Name	Analyte	Class	Value	Class Cut Off
A. simplex (parasite) Ani s 1	IgE	Absent	< 0.30 kU/L	<0.30
A. simplex (parasite) Ani s 3	IgE	Low	0.40 kU/L	0.30 - <1.0
Atlantic cod Gad m 1	IgE	Moderate	1.03 kU/L	1.0 - <5.0
Atlantic cod Gad m 2&3	IgE	Absent	< 0.30 kU/L	<0.30
Atlantic herring	IgE	Absent	< 0.30 kU/L	<0.30
Atlantic herring Clu h 1	IgE	Moderate	2.02 kU/L	1.0 - <5.0
Atlantic mackerel	IgE	Absent	< 0.30 kU/L	<0.30
Atlantic mackerel Sco s 1	IgE	Moderate	2.15 kU/L	1.0 - <5.0
Atlantic salmon Sal s 1	IgE	Moderate	1.00 kU/L	1.0 - <5.0
Black Tiger shrimp Pen m 1	IgE	Absent	< 0.30 kU/L	<0.30
Black Tiger shrimp Pen m 2	IgE	Moderate	3.21 kU/L	1.0 - <5.0
Black Tiger shrimp Pen m 3	IgE	Moderate	1.25 kU/L	1.0 - <5.0
Black Tiger shrimp Pen m 4	IgE	Absent	< 0.30 kU/L	<0.30
Blue Mussel	IgE	Absent	< 0.30 kU/L	<0.30
Brown shrimp	IgE	Absent	< 0.30 kU/L	<0.30
Carp	IgE	Moderate	1.37 kU/L	1.0 - <5.0
Clam	IgE	Absent	< 0.30 kU/L	<0.30
Cod	IgE	Absent	< 0.30 kU/L	<0.30
Crab	IgE	Low	0.38 kU/L	0.30 - <1.0
Lobster	IgE	Absent	< 0.30 kU/L	<0.30
Northern prawn	IgE	Absent	< 0.30 kU/L	<0.30
Oyster	IgE	Absent	< 0.30 kU/L	<0.30
Salmon	IgE	Absent	< 0.30 kU/L	<0.30
Scallop	IgE	Absent	< 0.30 kU/L	<0.30
Shrimp	IgE	Absent	< 0.30 kU/L	<0.30
Squid	IgE	Absent	< 0.30 kU/L	<0.30
Swordfish	IgE	Moderate	2.06 kU/L	1.0 - <5.0
Thornback ray Raj c parvalbumin	IgE	Absent	< 0.30 kU/L	<0.30
Thornback ray	IgE	Absent	< 0.30 kU/L	<0.30
Tuna	IgE	Absent	< 0.30 kU/L	<0.30
Tuna Thu a 1	IgE	Moderate	2.68 kU/L	1.0 - <5.0

Provider: Sample Report
Patient:
Accession #:
Collected:
Sex:
Age:
Received:
Sample Type: Serum
Date of Birth:
Completed:
IgE [redacted]

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Fruits

Antigen Name	Analyte	Class	Value	Class Cut Off
Apple Mal d 1	IgE	Low	0.75 kU/L	0.30 - <1.0
Apple Mal d 2	IgE	Absent	< 0.30 kU/L	<0.30
Apple Mal d 3	IgE	Moderate	1.55 kU/L	1.0 - <5.0
Avocado	IgE	Absent	< 0.30 kU/L	<0.30
Banana	IgE	Absent	< 0.30 kU/L	<0.30
Blueberry	IgE	Absent	< 0.30 kU/L	<0.30
Cherry	IgE	Absent	< 0.30 kU/L	<0.30
Fig	IgE	Absent	< 0.30 kU/L	<0.30
Grape	IgE	Moderate	2.46 kU/L	1.0 - <5.0
Kiwi Act d 1	IgE	Absent	< 0.30 kU/L	<0.30
Kiwi Act d 10	IgE	Low	0.54 kU/L	0.30 - <1.0
Kiwi Act d 2	IgE	Absent	< 0.30 kU/L	<0.30
Kiwi Act d 5	IgE	Absent	< 0.30 kU/L	<0.30
Mango	IgE	Absent	< 0.30 kU/L	<0.30
Muskmelon	IgE	Absent	< 0.30 kU/L	<0.30
Orange	IgE	Absent	< 0.30 kU/L	<0.30
Papaya	IgE	Absent	< 0.30 kU/L	<0.30
Peach	IgE	Moderate	1.68 kU/L	1.0 - <5.0
Pear	IgE	Absent	< 0.30 kU/L	<0.30
Strawberry	IgE	Moderate	2.89 kU/L	1.0 - <5.0

Seeds

Antigen Name	Analyte	Class	Value	Class Cut Off
Fenugreek seeds	IgE	Absent	< 0.30 kU/L	<0.30
Hemp (CBD) Can s	IgE	Low	0.37 kU/L	0.30 - <1.0
Hemp Can s 3	IgE	Absent	< 0.30 kU/L	<0.30
Lupine seed	IgE	Absent	< 0.30 kU/L	<0.30
Poppy seed Pap s	IgE	Absent	< 0.30 kU/L	<0.30
Poppy seed Pap s 2S	IgE	Absent	< 0.30 kU/L	<0.30
Pumpkin seed	IgE	Absent	< 0.30 kU/L	<0.30
Sesame Seed	IgE	Absent	< 0.30 kU/L	<0.30
Sesame Ses i 1	IgE	Absent	< 0.30 kU/L	<0.30
Sunflower seed	IgE	Absent	< 0.30 kU/L	<0.30

Dander and Epithelia

Antigen Name	Analyte	Class	Value	Class Cut Off
Cat, dander Fel d 1	IgE	High	8.60 kU/L	5.0 - <15.0
Cat, dander Fel d 2	IgE	Moderate	3.13 kU/L	1.0 - <5.0
Cat, dander Fel d 4	IgE	Moderate	2.41 kU/L	1.0 - <5.0
Cat, dander Fel d 7	IgE	Moderate	3.25 kU/L	1.0 - <5.0
Cattle, dander	IgE	Absent	< 0.30 kU/L	<0.30
Djungarian hamster, dander	IgE	Absent	< 0.30 kU/L	<0.30
Dog, dander Can f 1	IgE	High	7.05 kU/L	5.0 - <15.0
Dog, dander Can f 2	IgE	High	6.27 kU/L	5.0 - <15.0
Dog, dander Can f 3	IgE	High	9.47 kU/L	5.0 - <15.0
Dog, dander Can f 4	IgE	Very High	15.21 kU/L	15.0 - 50.0
Dog, dander Can f 6	IgE	High	9.27 kU/L	5.0 - <15.0
Dog, dander Can f_Fd1	IgE	High	10.50 kU/L	5.0 - <15.0
Dog, male urine (incl. Can f 5)	IgE	High	6.31 kU/L	5.0 - <15.0
Goat, dander	IgE	Moderate	1.34 kU/L	1.0 - <5.0
Guinea pig, dander	IgE	Absent	< 0.30 kU/L	<0.30
Horse, dander Equ c 1	IgE	Moderate	4.80 kU/L	1.0 - <5.0
Horse, dander Equ c 3	IgE	Low	0.56 kU/L	0.30 - <1.0
Horse, dander Equ c 4	IgE	Absent	< 0.30 kU/L	<0.30
Mouse, dander	IgE	Absent	< 0.30 kU/L	<0.30
Pig, dander	IgE	Low	0.87 kU/L	0.30 - <1.0
Rabbit, dander Ory c 1	IgE	Absent	< 0.30 kU/L	<0.30
Rabbit, dander Ory c 2	IgE	Absent	< 0.30 kU/L	<0.30
Rabbit, dander Ory c 3	IgE	Absent	< 0.30 kU/L	<0.30
Rat, dander	IgE	Low	0.47 kU/L	0.30 - <1.0

Dander and Epithelia (Continued)

Antigen Name	Analyte	Class	Value	Class Cut Off
Sheep, dander	IgE	Absent	< 0.30 kU/L	<0.30

Insect Venoms

Antigen Name	Analyte	Class	Value	Class Cut Off
Common wasp Ves v	IgE	Absent	< 0.30 kU/L	<0.30
Common wasp Ves v 1	IgE	Absent	< 0.30 kU/L	<0.30
Common wasp Ves v 5	IgE	Absent	< 0.30 kU/L	<0.30
Fire ant	IgE	Absent	< 0.30 kU/L	<0.30
Honey bee Api m	IgE	Absent	< 0.30 kU/L	<0.30
Honey bee Api m 1	IgE	Absent	< 0.30 kU/L	<0.30
Honey bee Api m 10	IgE	Absent	< 0.30 kU/L	<0.30
Long-headed wasp Dol spp	IgE	Absent	< 0.30 kU/L	<0.30
Paper wasp Pol d	IgE	Absent	< 0.30 kU/L	<0.30
Paper wasp Pol d 5	IgE	Absent	< 0.30 kU/L	<0.30

Mites

Antigen Name	Analyte	Class	Value	Class Cut Off
American house dust mite (D.farina) Der f 1	IgE	Moderate	4.30 kU/L	1.0 - <5.0
American house dust mite (D.farina) Der f 2	IgE	High	8.24 kU/L	5.0 - <15.0
European house dust mite (D.pteronyssinus) Der p 1	IgE	Moderate	3.47 kU/L	1.0 - <5.0
European house dust mite (D.pteronyssinus) Der p 10	IgE	Low	0.95 kU/L	0.30 - <1.0
European house dust mite (D.pteronyssinus) Der p 11	IgE	Absent	< 0.30 kU/L	<0.30
European house dust mite (D.pteronyssinus) Der p 2	IgE	High	8.68 kU/L	5.0 - <15.0
European house dust mite (D.pteronyssinus) Der p 20	IgE	High	7.22 kU/L	5.0 - <15.0
European house dust mite (D.pteronyssinus) Der p 21	IgE	Low	0.75 kU/L	0.30 - <1.0
European house dust mite (D.pteronyssinus) Der p 23	IgE	Moderate	3.87 kU/L	1.0 - <5.0
European house dust mite (D.pteronyssinus) Der p 5	IgE	Moderate	1.78 kU/L	1.0 - <5.0
European house dust mite (D.pteronyssinus) Der p 7	IgE	Low	0.84 kU/L	0.30 - <1.0
Food mite (G. domesticus)	IgE	Low	0.72 kU/L	0.30 - <1.0
Grey flour mite (A. siro)	IgE	Low	0.50 kU/L	0.30 - <1.0
Mold mite (T. putrescentiae) Tyr p	IgE	Low	0.37 kU/L	0.30 - <1.0
Mold mite (T. putrescentiae) Tyr p 2	IgE	Absent	< 0.30 kU/L	<0.30
Storage mite (L. destructor)	IgE	Absent	< 0.30 kU/L	<0.30
Tropical dust mite (B.tropicalis) Blo t 10	IgE	Low	0.71 kU/L	0.30 - <1.0
Tropical dust mite (B.tropicalis) Blo t 21	IgE	Absent	< 0.30 kU/L	<0.30
Tropical dust mite (B.tropicalis) Blo t 5	IgE	Absent	< 0.30 kU/L	<0.30

Molds

Antigen Name	Analyte	Class	Value	Class Cut Off
A. fumigatus Asp f 1	IgE	Absent	< 0.30 kU/L	<0.30
A. fumigatus Asp f 3	IgE	Moderate	1.61 kU/L	1.0 - <5.0
A. fumigatus Asp f 4	IgE	Absent	< 0.30 kU/L	<0.30
A. fumigatus Asp f 6	IgE	Low	0.32 kU/L	0.30 - <1.0
Alternaria alternata Alt a 1	IgE	High	10.81 kU/L	5.0 - <15.0
Alternaria alternata Alt a 6	IgE	Absent	< 0.30 kU/L	<0.30
Cladosporium herbarum Cla h	IgE	Absent	< 0.30 kU/L	<0.30
Cladosporium herbarum Cla h 8	IgE	Absent	< 0.30 kU/L	<0.30
Penicilium chrysogenum Pen ch	IgE	Absent	< 0.30 kU/L	<0.30

Provider: Sample Report
Patient:
Accession #:
Collected:

Sex:
Age:
Received:

Sample Type: Serum
Date of Birth:
Completed:

IgE [redacted]

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Insects

Antigen Name	Analyte	Class	Value	Class Cut Off
American cockroach Per a	IgE	Moderate	3.86 kU/L	1.0 - <5.0
American cockroach Per a 7	IgE	Low	0.60 kU/L	0.30 - <1.0
German cockroach Bla g 1	IgE	Very High	34.67 kU/L	15.0 - 50.0
German cockroach Bla g 2	IgE	Absent	< 0.30 kU/L	<0.30
German cockroach Bla g 4	IgE	Absent	< 0.30 kU/L	<0.30
German cockroach Bla g 5	IgE	Absent	< 0.30 kU/L	<0.30
German cockroach Bla g 9	IgE	High	6.52 kU/L	5.0 - <15.0
Pigeon tick (A. reflexus)	IgE	Absent	< 0.30 kU/L	<0.30

Provider: Sample Report
Patient: **Sex:** **Sample Type:** Serum
Accession #: **Age:** **Date of Birth:** IgE [redacted]
Collected: **Received:** **Completed:**

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Higher levels of IgE have been associated with increased allergic reactivity. However, higher levels of IgE may or may not present with expected symptoms of allergy if there are also higher levels of IgG4 for the same antigen. IgG4 is considered an IgE “blocking antibody”, and a rise in IgG4 levels has been associated with successful desensitization therapy in human studies. IgG4 testing may further guide clinical patient management.

Carbohydrate cross-determinants (CCDs) may confound IgE and IgG results. CCDs are glycoprotein side-chains found primarily in plants and insects, and they are strongly cross-reactive to other similar plant and insect antigens. IgE antibodies can form against CCDs but have not been documented to contribute to allergic reactions in humans. A biomarker for CCD interference has been included on this test; The sample diluent in this test contains CCD inhibitor. The CCD inhibition efficiency is 85%. If the CCD marker is > 0.3 kU/mL, the CCDs may be confounding results.

CCD confounding generally raises the reaction class of plant-based antigens (most/all high), while animal-based antigens react as expected (mix of lows and highs). If CCD confounding is suspected, consider ordering the Anti-CCD absorbant follow-up test, which can bind the CCDs in the serum so that clinically relevant IgE reactivity can be evaluated.

References:

Altmann F. Coping with cross-reactive carbohydrate determinants in allergy diagnosis. Allergo J Int. 2016;25(4):98-105.

Bianchini R, Karagiannis SN, Jordakieva G, Jensen-Jarolim E. The Role of IgG4 in the Fine Tuning of Tolerance in IgE-Mediated Allergy and Cancer. Int J Mol Sci. 2020 Jul 16;21(14):5017.

Celik-Bilgili S, Mehl A, Verstege A, Staden U, Nocon M, Beyer K, Niggemann B. The predictive value of specific immunoglobulin E levels in serum for the outcome of oral food challenges. Clin Exp Allergy. 2005 Mar;35(3):268-73.

Jin C, Hantusch B, Hemmer W, Stadlmann J, Altmann F. Affinity of IgE and IgG against cross-reactive carbohydrate determinants on plant and insect glycoproteins. J Allergy Clin Immunol. 2008 Jan;121(1):185-190.e2.

Stylianou E, Ueland T, Borchsenius F, Michelsen AE, Øvstebø R, Mollnes TE, Skjønsberg OH, Aukrust P. Specific allergen immunotherapy: effect on IgE, IgG4 and chemokines in patients with allergic rhinitis. Scand J Clin Lab Invest. 2016;76(2):118-27

Semi-Quantitative Immunoassay (ELISA). The test performance characteristics were determined by US BioTek Laboratories, LLC. This test has not been cleared or approved by the US Food and Drug Administration (FDA). IgE test results should be used in conjunction with other relevant clinical information by healthcare providers to diagnose IgE-mediated allergic disorders.