Diagnostic Solutions laboratory

5895 Shiloh Rd, Ste 101 | Alpharetta GA 30005
877.485.5336

CLIA# 11D-2097795 Medical Director – Diane Farhi, MD

IgE™ ALLERGY EXPLORER

PATIENT ID:
20240814-0643

PATIENT NAME:
Ben Ramsden-Stein

DATE OF BIRTH:
10/30/1984

SAMPLE ID:
20240814-0643-1

QR-CODE:
02BPU3D4

ANALYZED ON:
8/21/2024

TESTED ALLERGENS:
295

TEST METHOD:
ALEX^2

REFERRING PHYSICIAN:
Ben Ramsden-Stein DO

ADDITIONAL INFORMATION:

The internal QC (Plausibility check for GD) was within acceptance range.

Lab report: Summary on detectable sensitizations

POLLEN

Grass Pollen
Tree Pollen
Weed Pollen

MITES

House Dust Mites & Storage Mites

PLANT-BASED FOOD

Legumes
Grains
Spices
Fruits
Vegetables
Nuts & Seeds

INSECTS & VENOMS

Ant, Bee, Wasp
Cockroach

MICROORGANISMS

Fungal Spores & Yeast

ANIMAL-DERIVED FOOD

Milk
Egg
Fish & Seafood
Meat

EPITHELIAL TISSUES OF ANIMALS

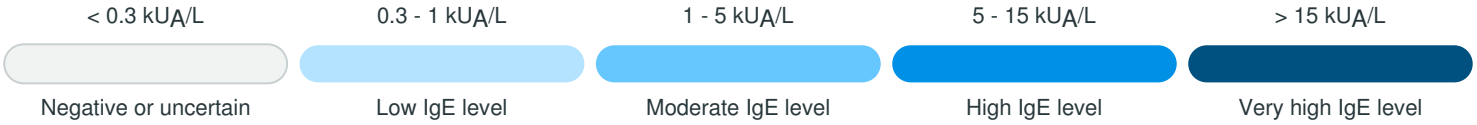
Pets
Farm Animals

OTHERS

Latex
Ficus
CCD
Parasite

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Highest measured IgE concentration per allergen group



Name	E/M	Allergen	Protein Family	kU_A/L
POLLEN				
Grass Pollen				
Bermuda grass		Cyn d		0.52
		Cyn d 1	Beta-Expansin	1.11
Perennial Ryegrass		Lol p 1	Beta-Expansin	4.41
Bahia grass		Pas n		≤ 0.10
Timothy grass		Phl p 1	Beta-Expansin	2.55
		Phl p 2	Expansin	≤ 0.10
		Phl p 5.0101	Grass Group 5/6	5.04
		Phl p 6	Grass Group 5/6	0.78
		Phl p 7	Polcalcin	≤ 0.10
		Phl p 12	Profilin	≤ 0.10
Common reed		Phr c		≤ 0.10
Cultivated rye, Pollen		Sec c_pollen		2.95
Tree Pollen				
Acacia		Aca m		≤ 0.10
Tree of Heaven		Ail a		≤ 0.10
Alder		Aln g 1	PR-10	≤ 0.10
		Aln g 4	Polcalcin	≤ 0.10
Silver birch		Bet v 1	PR-10	≤ 0.10
		Bet v 2	Profilin	≤ 0.10
		Bet v 6	Isoflavon Reductase	≤ 0.10
Paper mulberry		Bro pa		≤ 0.10
Hazel pollen		Cor a_pollen		≤ 0.10
		Cor a 1.0103	PR-10	≤ 0.10
Sugi		Cry j 1	Pectate Lyase	≤ 0.10
Cypress		Cup a 1	Pectate Lyase	≤ 0.10
		Cup s		≤ 0.10
Beech		Fag s 1	PR-10	≤ 0.10
Ash		Fra e		≤ 0.10
		Fra e 1	Ole e 1-Family	≤ 0.10
Walnut pollen		Jug r_pollen		≤ 0.10

Allergen Extract | Molecular Allergen | IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU$_A$/L
Mountain cedar		Jun a		≤ 0.10
Mulberry		Mor r		≤ 0.10
Olive		Ole e 1	Ole e 1-Family	≤ 0.10
		Ole e 9	1,3 β Glucanase	≤ 0.10
Date palm		Pho d 2	Profilin	≤ 0.10
London plane tree		Pla a 1	Plant Invertase	≤ 0.10
		Pla a 2	Polygalacturonase	≤ 0.10
		Pla a 3	nsLTP	≤ 0.10
Cottonwood		Pop n		≤ 0.10
Elm		Ulm c		≤ 0.10

Weed Pollen

Common Pigweed		Ama r		≤ 0.10
Ragweed		Amb a		≤ 0.10
		Amb a 1	Pectate Lyase	≤ 0.10
		Amb a 4	Plant Defensin	≤ 0.10
Mugwort		Art v		≤ 0.10
		Art v 1	Plant Defensin	≤ 0.10
		Art v 3	nsLTP	≤ 0.10
Hemp		Can s		≤ 0.10
		Can s 3	nsLTP	≤ 0.10
Lamb's quarter		Che a		≤ 0.10
		Che a 1	Ole e 1-Family	≤ 0.10
Annual mercury		Mer a 1	Profilin	≤ 0.10
Wall pellitory		Par j		≤ 0.10
		Par j 2	nsLTP	≤ 0.10
Ribwort		Pla l		≤ 0.10
		Pla l 1	Ole e 1-Family	≤ 0.10
Russian thistle		Sal k		≤ 0.10
		Sal k 1	Pectin Methylesterase	≤ 0.10
Nettle		Urt d		≤ 0.10

Name	E/M	Allergen	Protein Family	kU_A/L
MITES				
House Dust Mite				
American house dust mite	◉	Der f 1	Cysteine protease	≤ 0.10
	◉	Der f 2	NPC2 Family	≤ 0.10
European house dust mite	◉	Der p 1	Cysteine protease	≤ 0.10
	◉	Der p 2	NPC2 Family	≤ 0.10
	◉	Der p 5	unknown	≤ 0.10
	◉	Der p 7	Mites, Group 7	≤ 0.10
	◉	Der p 10	Tropomyosin	≤ 0.10
	◉	Der p 11	Myosin, heavy chain	≤ 0.10
	◉	Der p 20	Arginine kinase	≤ 0.10
	◉	Der p 21	unknown	≤ 0.10
	◉	Der p 23	Peritrophin-like protein domain	0.63
Storage Mite				
Acarus siro	⁘	Aca s		≤ 0.10
Blomia tropicalis	◉	Blo t 5	Mites, Group 5	≤ 0.10
	◉	Blo t 10	Tropomyosin	≤ 0.10
	◉	Blo t 21	unknown	≤ 0.10
Glycyphagus domesticus	◉	Gly d 2	NPC2 Family	≤ 0.10
Lepidoglyphus destructor	◉	Lep d 2	NPC2 Family	≤ 0.10
Tyrophagus putrescentiae	⁘	Tyr p		≤ 0.10
	◉	Tyr p 2	NPC2 Family	≤ 0.10
MICROORGANISMS & SPORES				
Yeast				
Malassezia sympodialis	◉	Mala s 5	unknown	≤ 0.10
	◉	Mala s 6	Cyclophilin	≤ 0.10
	◉	Mala s 11	Mn Superoxid-Dismutase	≤ 0.10
Yeast	⁘	Sac c		≤ 0.10

⁘ Allergen Extract ◉ Molecular Allergen IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Moulds				
Alternaria alternata	◉	Alt a 1	Alt a 1-Family	≤ 0.10
	◉	Alt a 6	Enolase	≤ 0.10
Aspergillus fumigatus	◉	Asp f 1	Mitogillin Family	≤ 0.10
	◉	Asp f 3	Peroxysomal Protein	≤ 0.10
	◉	Asp f 4	unknown	≤ 0.10
	◉	Asp f 6	Mn Superoxid-Dismutase	≤ 0.10
Cladosporium herbarum	⁘	Cla h		≤ 0.10
	◉	Cla h 8	Short Chain Dehydrogenase	≤ 0.10
Penicilium chrysogenum	⁘	Pen ch		≤ 0.10
PLANT FOOD				
Legumes				
Peanut	◉	Ara h 1	7/8S Globulin	≤ 0.10
	◉	Ara h 2	2S Albumin	≤ 0.10
	◉	Ara h 3	11S Globulin	≤ 0.10
	◉	Ara h 6	2S Albumin	≤ 0.10
	◉	Ara h 8	PR-10	≤ 0.10
	◉	Ara h 9	nsLTP	≤ 0.10
	◉	Ara h 15	Oleosin	≤ 0.10
Chickpea	⁘	Cic a		≤ 0.10
Soy	◉	Gly m 4	PR-10	≤ 0.10
	◉	Gly m 5	7/8S Globulin	≤ 0.10
	◉	Gly m 6	11S Globulin	≤ 0.10
	◉	Gly m 8	2S Albumin	≤ 0.10
Lentil	⁘	Len c		≤ 0.10
White bean	⁘	Pha v		≤ 0.10
Pea	⁘	Pis s		≤ 0.10
Cereals				
Oat	⁘	Ave s		≤ 0.10
Quinoa	⁘	Che q		≤ 0.10

⁘ Allergen Extract ◉ Molecular Allergen IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Common buckwheat		Fag e		≤ 0.10
		Fag e 2	2S Albumin	≤ 0.10
Barley		Hor v		≤ 0.10
Lupine seed		Lup a		≤ 0.10
Rice		Ory s		≤ 0.10
Millet		Pan m		≤ 0.10
Cultivated rye		Sec c_flour		≤ 0.10
Wheat		Tri a aA_TI	Alpha-Amylase Trypsin-Inhibitor	≤ 0.10
		Tri a 14	nsLTP	≤ 0.10
		Tri a 19	Omega-5-Gliadin	≤ 0.10
Spelt		Tri s		≤ 0.10
Maize		Zea m		≤ 0.10
		Zea m 14	nsLTP	≤ 0.10

Spices

Paprika		Cap a		≤ 0.10
Caraway		Car c		≤ 0.10
Oregano		Ori v		≤ 0.10
Parsley		Pet c		≤ 0.10
Anise		Pim a		≤ 0.10
Mustard		Sin		≤ 0.10
		Sin a 1	2S Albumin	≤ 0.10

Fruits

Kiwi		Act d 1	Cysteine protease	≤ 0.10
		Act d 2	TLP	≤ 0.10
		Act d 5	Kiwellin	≤ 0.10
		Act d 10	nsLTP	≤ 0.10
Papaya		Car p		≤ 0.10
Orange		Cit s		≤ 0.10
Melon		Cuc m 2	Profilin	≤ 0.10
Fig		Fic c		≤ 0.10
Strawberry		Fra a 1+3	PR-10+LTP	≤ 0.10

Allergen Extract | Molecular Allergen | IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Apple		Mal d 1	PR-10	≤ 0.10
		Mal d 2	TLP	≤ 0.10
		Mal d 3	nsLTP	≤ 0.10
Mango		Man i		≤ 0.10
Banana		Mus a		≤ 0.10
Avocado		Pers a		≤ 0.10
Cherry		Pru av		≤ 0.10
Peach		Pru p 3	nsLTP	≤ 0.10
Pear		Pyr c		≤ 0.10
Blueberry		Vac m		≤ 0.10
Grapes		Vit v 1	nsLTP	≤ 0.10

Vegetables

Onion		All c		≤ 0.10
Garlic		All s		≤ 0.10
Celery		Api g 1	PR-10	≤ 0.10
		Api g 2	nsLTP	≤ 0.10
		Api g 6	nsLTP	≤ 0.10
Carrot		Dau c		≤ 0.10
		Dau c 1	PR-10	≤ 0.10
Potato		Sol t		≤ 0.10
Tomato		Sola l		≤ 0.10
		Sola l 6	nsLTP	≤ 0.10

Nuts

Cashew		Ana o		≤ 0.10
		Ana o 2	11S Globulin	≤ 0.10
		Ana o 3	2S Albumin	≤ 0.10
Brazil nut		Ber e		≤ 0.10
		Ber e 1	2S Albumin	≤ 0.10
Pecan		Car i		≤ 0.10
Hazelnut		Cor a 1.0401	PR-10	≤ 0.10
		Cor a 8	nsLTP	≤ 0.10

Allergen Extract Molecular Allergen IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU$_A$/L
	◉	Cor a 9	11S Globulin	≤ 0.10
	◉	Cor a 11	7/8S Globulin	≤ 0.10
	◉	Cor a 14	2S Albumin	≤ 0.10
Walnut	◉	Jug r 1	2S Albumin	≤ 0.10
	◉	Jug r 2	7/8S Globulin	≤ 0.10
	◉	Jug r 3	nsLTP	≤ 0.10
	◉	Jug r 4	11S Globulin	≤ 0.10
	◉	Jug r 6	7/8S Globulin	≤ 0.10
Macadamia	◉	Mac i 2S Albumin	2S Albumin	≤ 0.10
	⁘	Mac inte		≤ 0.10
Pistachio	◉	Pis v 1	2S Albumin	≤ 0.10
	◉	Pis v 2	11S Globulin subunit	≤ 0.10
	◉	Pis v 3	7/8S Globulin	≤ 0.10
Almond	⁘	Pru du		≤ 0.10

Seed

Pumpkin seed	⁘	Cuc p		≤ 0.10
Sunflower seed	⁘	Hel a		≤ 0.10
Poppy seed	⁘	Pap s		≤ 0.10
	◉	Pap s 2S Albumin	2S Albumin	≤ 0.10
Sesame	⁘	Ses i		≤ 0.10
	◉	Ses i 1	2S Albumin	≤ 0.10
Fenugreek seeds	⁘	Tri fo		≤ 0.10

ANIMAL FOOD

Milk

Cow, milk	⁘	Bos d_milk		≤ 0.10
	◉	Bos d 4	α-Lactalbumin	≤ 0.10
	◉	Bos d 5	β-Lactoglobulin	≤ 0.10
	◉	Bos d 8	Casein	≤ 0.10
Camel	⁘	Cam d		≤ 0.10
Goat, milk	⁘	Cap h_milk		≤ 0.10
Mare's milk	⁘	Equ c_milk		≤ 0.10

⁘ Allergen Extract ◉ Molecular Allergen IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Sheep, milk		Ovi a_milk		≤ 0.10

Egg

Egg white		Gal d_white		≤ 0.10
Egg yolk		Gal d_yolk		≤ 0.10
Egg white		Gal d 1	Ovomucoid	≤ 0.10
		Gal d 2	Ovalbumin	≤ 0.10
		Gal d 3	Ovotransferrin	≤ 0.10
		Gal d 4	Lysozym C	≤ 0.10
Egg yolk		Gal d 5	Serum Albumin	≤ 0.10

Seafood

Herring worm		Ani s 1	Kunitz Serin Protease Inhibitor	≤ 0.10
		Ani s 3	Tropomyosin	≤ 0.10
Crab		Chi spp.		≤ 0.10
Herring		Clu h		≤ 0.10
		Clu h 1	β-Parvalbumin	≤ 0.10
Brown shrimp		Cra c 6	Troponin C	≤ 0.10
Carp		Cyp c 1	β-Parvalbumin	≤ 0.10
Atlantic cod		Gad m		≤ 0.10
		Gad m 2+3	β-Enolase & Aldolase	≤ 0.10
		Gad m 1	β-Parvalbumin	≤ 0.10
Lobster		Hom g		≤ 0.10
Shrimp		Lit s		≤ 0.10
Squid		Lol spp.		≤ 0.10
Common mussel		Myt e		≤ 0.10
Oyster		Ost e		≤ 0.10
Shrimp		Pan b		≤ 0.10
Scallop		Pec spp.		≤ 0.10
Black Tiger Shrimp		Pen m 1	Tropomyosin	≤ 0.10
		Pen m 2	Arginine kinase	≤ 0.10
		Pen m 3	Myosin, light chain	≤ 0.10
		Pen m 4	Sarcoplasmic Calcium Binding Protein	≤ 0.10

Allergen Extract | Molecular Allergen | IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU$_A$/L
Thornback ray		Raj c		≤ 0.10
		Raj c Parvalbumin	α-Parvalbumin	≤ 0.10
Clam		Rud spp.		≤ 0.10
Salmon		Sal s		≤ 0.10
		Sal s 1	β-Parvalbumin	≤ 0.10
Atlantic mackerel		Sco s		≤ 0.10
		Sco s 1	β-Parvalbumin	≤ 0.10
Tuna		Thu a		≤ 0.10
		Thu a 1	β-Parvalbumin	≤ 0.10
Swordfish		Xip g 1	β-Parvalbumin	≤ 0.10

Meat

House cricket		Ach d		≤ 0.10
Cattle, meat		Bos d_meat		≤ 0.10
		Bos d 6	Serum Albumin	≤ 0.10
Horse, meat		Equ c_meat		≤ 0.10
Chicken meat		Gal d_meat		≤ 0.10
Migratory locust		Loc m		≤ 0.10
Turkey		Mel g		≤ 0.10
Rabbit, meat		Ory_meat		≤ 0.10
Sheep, meat		Ovi a_meat		≤ 0.10
Pork		Sus d_meat		≤ 0.10
		Sus d 1	Serum Albumin	≤ 0.10
Mealworm		Ten m		≤ 0.10

INSECTS & VENOMS

Fire ant poison

Fire ant		Sol spp.		≤ 0.10

Honey Bee Venom

Honey bee		Api m		0.51
		Api m 1	Phospholipase A2	≤ 0.10
		Api m 10	Icarapin Variant 2	0.34

Allergen Extract | Molecular Allergen | IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Wasp Venom				
Hornet		Dol spp		≤ 0.10
Paper wasp venom		Pol d		≤ 0.10
		Pol d 5	Antigen 5	≤ 0.10
Wasp venom		Ves v		≤ 0.10
		Ves v 1	Phospholipase A1	≤ 0.10
		Ves v 5	Antigen 5	≤ 0.10
Cockroach				
German Cockroach		Bla g 1	Cockroach Group 1	≤ 0.10
		Bla g 2	Aspartyl protease	≤ 0.10
		Bla g 4	Lipocalin	≤ 0.10
		Bla g 5	Glutathione S-transferase	≤ 0.10
		Bla g 9	Arginine kinase	≤ 0.10
American Cockroach		Per a		≤ 0.10
		Per a 7	Tropomyosin	≤ 0.10

ANIMAL ORIGIN

Pet

Dog		Can f_Fd1	Uteroglobin	≤ 0.10
Male dog urine (incl. Can f 5)		Can f_male urine		≤ 0.10
Dog		Can f 1	Lipocalin	≤ 0.10
		Can f 2	Lipocalin	≤ 0.10
		Can f 3	Serum Albumin	≤ 0.10
		Can f 4	Lipocalin	≤ 0.10
		Can f 6	Lipocalin	≤ 0.10
Guinea pig		Cav p 1	Lipocalin	≤ 0.10
Cat		Fel d 1	Uteroglobin	≤ 0.10
		Fel d 2	Serum Albumin	≤ 0.10
		Fel d 4	Lipocalin	≤ 0.10
		Fel d 7	Lipocalin	≤ 0.10
House mouse		Mus m 1	Lipocalin	≤ 0.10

Allergen Extract | Molecular Allergen | IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Name	E/M	Allergen	Protein Family	kU_A/L
Rabbit, epithel	◉	Ory c 1	Lipocalin	≤ 0.10
	◉	Ory c 2	Lipophilin	≤ 0.10
	◉	Ory c 3	Uteroglobin	≤ 0.10
Djungarian hamster	◉	Phod s 1	Lipocalin	≤ 0.10
Rat	⁘	Rat n		≤ 0.10

Farm Animals

Cattle	◉	Bos d 2	Lipocalin	≤ 0.10
Goat, epithel	⁘	Cap h_epithelia		≤ 0.10
Horse, epithel	◉	Equ c 1	Lipocalin	≤ 0.10
	◉	Equ c 3	Serum Albumin	≤ 0.10
	◉	Equ c 4	Latherin	≤ 0.10
Sheep, epithel	⁘	Ovi a_epithelia		≤ 0.10
Pig	⁘	Sus d_epithelia		≤ 0.10

OTHERS

Latex

Latex	◉	Hev b 1	Rubber elongation factor	≤ 0.10
	◉	Hev b 3	Small rubber particle protein	≤ 0.10
	◉	Hev b 5	unknown	≤ 0.10
	◉	Hev b 6.02	Hevein	≤ 0.10
	◉	Hev b 8	Profilin	≤ 0.10
	◉	Hev b 11	Class 1 Chitinase	≤ 0.10

Ficus

Weeping fig	⁘	Fic b		≤ 0.10

CCD

Hom s Lactoferrin	◉	Hom s LF	CCD	≤ 0.10

Parasite

Pigeon tick	◉	Arg r 1	Lipocalin	≤ 0.10

⁘ Allergen Extract ◉ Molecular Allergen IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Total IgE: 57 kU/L

Normal Total-IgE
Adults: < 100 kU/L

Number of tested allergen sources: 165

GRASS POLLEN 6
Bahia grass, Bermuda grass, Common reed, Perennial ryegrass, Rye, Timothy grass

TREE POLLEN 19
Acacia, Alder, Arizona Cypress, European Ash, Beech, Cottonwood, Date palm, Elm, Hazel, London Plane Tree, Mediterranean Cypress, Mountain cedar, Mulberry, Olive, Paper mulberry, Silver birch, Sugi, Tree of Heaven, Walnut

WEED POLLEN 10
Annual mercury, Hemp, Lamb's quarter, Mugwort, Nettle, Pigweed, Ragweed, Ribwort, Russian thistle, Wall pellitory

HOUSE DUST MITES & STORAGE MITES 7
Acarus siro, American house dust mite, Blomia tropicalis, European house dust mite, Glycyphagus domesticus, Lepidoglyphus destructor, Tyrophagus putrescentiae

LEGUMES 6
Chickpea, White bean, Lentil, Pea, Peanut, Soy

GRAINS 11
Barley, Buckwheat, Corn, Cultivated rye, Lupine, Millet, Oat, Quinoa, Rice, Spelt, Wheat

SPICES 6
Anise, Caraway, Mustard, Oregano, Paprika, Parsley

FRUITS 15
Avocado, Apple, Banana, Blueberry, Cherry, Fig, Grape, Kiwi, Mango, Muskmelon, Orange, Papaya, Peach, Pear, Strawberry

VEGETABLES 6
Carrot, Celery, Garlic, Onion, Potato, Tomato

NUTS & SEEDS 13
Almond, Brazil nut, Cashew, Hazelnut, Macadamia, Pecan, Pistachio, Walnut, Fenugreek seeds, Poppy seed, Pumpkin seed, Sesame, Sunflower seed

COCKROACH 2
American cockroach, German cockroach

INSECT VENOMS 5
Common wasp venom, Fire ant venom, Honeybee venom, Long-headed wasp venom, Paper wasp venom

FUNGAL SPORES & YEAST 6
Alternaria alternata, Aspergillus fumigatus, Baker's yeast, Cladosporium herbarum, Malassezia sympodialis, Penicilium chrysogenum

MILK 5
Camel's milk, Cow's milk, Goat's milk, Mare's milk, Sheep's milk

EGG 2
Egg white, Egg yolk

FISH & SEAFOOD 20
Anisakis simplex, Atlantic cod, Atlantic herring, Atlantic mackerel, Black-Tiger shrimp, Brown shrimp, Carp, Common mussel, Crab, Lobster, Northern prawn, Oyster, Salmon, Scallop, Shrimp mix, Squid, Swordfish, Thornback ray, Tuna, Venus clam

MEAT 10
Beef, Chicken, Horse, House cricket, Lamb, Mealworm, Migratory locust, Pig, Rabbit, Turkey

PETS 7
Cat, Djungarian hamster, Dog, Guinea pig, Mouse, Rabbit, Rat

FARM ANIMALS 5
Cattle, Goat, Horse, Pig, Sheep

OTHERS 4
Latex, Hom s lactoferrin, Pigeon tick, Weeping fig

Allergen Extract | Molecular Allergen | IgE < 0.3 negative or uncertain

The assays performance characteristics were determined by Diagnostic Solutions Laboratory.

Raven Interpretation Summary

Sample Information

The sample was tested on ALL Barcode 02BPU3D4, interpretation date 8/24/2024.

Of the tested 295 allergens, 10 were/was above the cut off of 0.3 kU_A/L. A sensitization can be an indicator of an IgE dependent allergy. For all positive ALL Allergy Test allergens, comments for interpretation guidance are listed below.

Total IgE: 57 kU/L

The measured total IgE was 57 kU/L. With a total IgE titre of below 100 kU/L, allergy is possible but unlikely.

Grass pollen

You have a sensitization to grass pollen.

Associated allergic reactions range from hay fever (allergic rhinoconjunctivitis) to allergic asthma.

Cyn d 1, Lol p 1 and Phl p 1 are members fo the β-Expansin allergen family. The potential for cross-reactions between members of this allergen family is very high. Allergen-specific immunotherapy (AIT) for β-Expansins is possible, if corresponding clinical symptoms are present. Positive results were obtained for: Cyn d 1, Lol p 1, Phl p 1.

Phl p 5 is a member of the Grass Group 5/6 allergen family.

The potential for cross-reactions between allergens of this family is high, although not in all grass pollen species.

Along with Phl p 1 and Phl p 2, Phl p 5 serves as marker of true grass-pollen sensitization.

Allergen-specific immunotherapy (AIT) is possible for sensitization to Phl p 1 and 5, if corresponding clinical symptoms occur.

Phl p 6 is a member of the Grass Group 5/6 allergen family.

The potential for cross-reactions between allergens of this family is high.

Treatment for symptoms includes anti-histamines as well as corticosteroid tablets and sprays. Causal treatmet is possible for sensitizations to Phl p 1 and 5 via allergy-specific immunotherapy (AIT) is possible, if corresponding clinical symptoms occur.

Mites and Cockroaches

House dust mites

You have a sensitization to house dust mites.

Associated allergic symptoms range from hay fever (allergic rhinoconjunctivitis) to asthma.

Der p 23 is a member of the Peritrophin-like Protein allergen family (PLP), which is associated with the development of asthma.

The potential for cross-reactions to other allergens of the PLP family is not clear.

Avoidance of house dust mites is advised. Dust mite proof encasings for blankets, mattresses, and pillows can reduce the allergen load. Treatment for symptoms includes anti-histamines as well as corticosteroid tablets and sprays. Allergen-specific immunotherapy is possible for sensitizations to major allergens Der f 1/Der p 1 and Der f 2/Der p 2, if corresponding clinical symptoms occur.

Insect Venoms

Honey bee

You have a sensitization to honey bee venom.

Associated allergic symptoms range from local to severe anaphylactic reactions.

Api m 10 is a member of the Icarapin allergen familiy.

The potential for cross-reactions between Api m 10 and other allergens of the Icarapin family is very high for closely related bee species (e.g., oriental honey bee).

Allergen-specific immunotherapy (AIT) is possible, but underrepresented in some solutions.

As avoidance of honey bees is difficult, allergen-specific immunotherapy is the major therapy option. Additionally emergency kits including adrenaline autoinjectors (EpiPen) are prescribed. Please consult your allergy specialist for further information and therapy options.

DISCLAIMER: THE PRESENCE OF IgE-ANTIBODIES IMPLIES A RISK OF ALLERGIC REACTIONS AND HAS TO BE ANALYZED IN CONJUNCTION WITH THE CLINICAL HISTORY AND OTHER DIAGNOSTIC TEST RESULTS. THE RAVEN INTERPRETATION GUIDANCE SOFTWARE IS A TOOL TO SUPPORT PHYSICIANS IN THE INTERPRETATION OF ALL ALLERGY TEST RESULTS. RAVEN COMMENTS DO NOT REPLACE THE DIAGNOSIS BY A PHYSICIAN. NO LIABILITY IS ACCEPTED FOR RAVEN COMMENTS AND RESULTING THERAPEUTIC INTERVENTIONS. THE STATED COMMENTS ARE DESIGNED EXCLUSIVELY FOR ALL ALLERGY TEST RESULTS.