

PATIENT ID:

 XXXXXXXX

PATIENT NAME:

 XXXXXX

DATE OF BIRTH:

 XXX/XXX/XXX

SAMPLE CODE:

 XXXXXXXX

QR-CODE:

 XXXXX

ANALYZED ON:

 XX/XX/XXXX

TESTED ALLERGENS:

 295

TEST METHOD:

 ALEX²

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

Lab report: Summary on detectable sensitisations

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



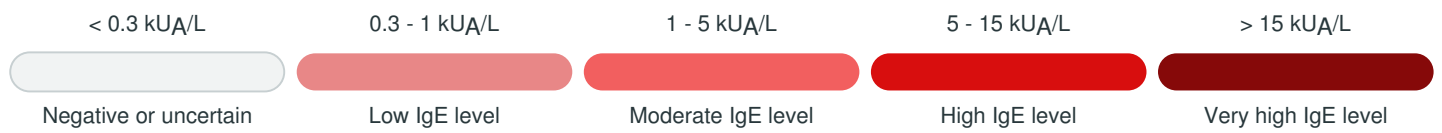
CCD



Parasite



Highest measured IgE concentration per allergen group



Name	E/M	Allergen	Function	kU _A /L
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POLLEN

Grass Pollen

Bermuda grass		Cyn d		≤ 0.10 
		Cyn d 1	Beta-Expansin	0.11 
Perennial Ryegrass		Lol p 1	Beta-Expansin	≤ 0.10 
Bahia grass		Pas n		≤ 0.10 
Timothy grass		Phl p 1	Beta-Expansin	≤ 0.10 
		Phl p 2	Expansin	≤ 0.10 
		Phl p 5.0101	Grass Group 5/6	≤ 0.10 
		Phl p 6	Grass Group 5/6	≤ 0.10 
		Phl p 7	Polcalcin	≤ 0.10 
		Phl p 12	Profilin	≤ 0.10 
Common reed		Phr c		0.21 
Cultivated rye, Pollen		Sec c_pollen		≤ 0.10 

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		0.13 
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		0.17 
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 
Mountain cedar		Jun a		0.12 
Mulberry		Mor r		≤ 0.10 
Olive		Ole e 1	Ole e 1-Family	≤ 0.10 

Name	E/M	Allergen	Function	kU _A /L
	⊙	Ole e 9	1,3 β Glucanase	0.13
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		0.11

Weed Pollen

Common Pigweed	⊙	Ama r		≤ 0.10
Ragweed	⊙	Amb a		0.10
	⊙	Amb a 1	Pectate Lyase	0.14
	⊙	Amb a 4	Plant Defensin	≤ 0.10
Mugwort	⊙	Art v		0.13
	⊙	Art v 1	Plant Defensin	≤ 0.10
	⊙	Art v 3	nsLTP	0.16
Hemp	⊙	Can s		≤ 0.10
	⊙	Can s 3	nsLTP	≤ 0.10
Lamb's quarter	⊙	Che a		0.11
	⊙	Che a 1	Ole e 1-Family	≤ 0.10
Annual mercury	⊙	Mer a 1	Profilin	≤ 0.10
Wall pellitory	⊙	Par j		0.18
	⊙	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		0.13

MITES

House Dust Mite

American house dust mite	⊙	Der f 1	Cysteine protease	0.13
	⊙	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

Name	E/M	Allergen	Function	kU _A /L
		Der p 7	Mites, Group 7	0.11 
		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	≤ 0.10 

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	0.11 
Yeast		Sac c		≤ 0.10 

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	Peroxisomal 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 

Name	E/M	Allergen	Function	kU _A /L
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PLANT FOOD

Legumes

Peanut	⊙	Ara h 1	7/8S Globulin	≤ 0.10	
	⊙	Ara h 2	2S Albumin	≤ 0.10	
	⊙	Ara h 3	11S Globulin	0.11	
	⊙	Ara h 6	2S Albumin	0.11	
	⊙	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		0.15	
Pea	⬢	Pis s		≤ 0.10	

Cereals

Oat	⬢	Ave s		≤ 0.10	
Quinoa	⬢	Che q		≤ 0.10	
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		0.12	
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	0.16	

Name	E/M	Allergen	Function	kU _A /L
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Spices

Paprika		Cap a		0.19 
Caraway		Car c		0.11 
Oregano		Ori v		0.15 
Parsley		Pet c		≤ 0.10 
Anise		Pim a		0.12 
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		0.18 
Strawberry		Fra a 1+3	PR-10+LTP	≤ 0.10 
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 

Name	E/M	Allergen	Function	kU _A /L
	⊙	Api g 2	nsLTP	≤ 0.10
	⊙	Api g 6	nsLTP	0.17
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		0.11
Hazelnut	⊙	Cor a 1.0401	PR-10	≤ 0.10
	⊙	Cor a 8	nsLTP	≤ 0.10
	⊙	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	0.17
	⊙	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		0.13
Poppy seed	⬢	Pap s		≤ 0.10

Name	E/M	Allergen	Function	kU _A /L
	⊙	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
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	0.14
	⊙	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		0.16
	⊙	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

Name	E/M	Allergen	Function	kU _A /L
	⊙	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
Thornback ray	⬢	Raj c		0.11
	⊙	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		0.31
	⊙	Bos d 6	Serum Albumin	≤ 0.10
Horse, meat	⬢	Equ c_meat		0.13
Chicken meat	⬢	Gal d_meat		≤ 0.10
Migratory locust	⬢	Loc m		≤ 0.10
Turkey	⬢	Mel g		≤ 0.10
Rabbit, meat	⬢	Ory_meat		0.17
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

Name	E/M	Allergen	Function	kU _A /L
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INSECTS & VENOMS

Fire ant poison

Fire ant		Sol spp.		≤ 0.10 
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Honey Bee Venom

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

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	0.12 
		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	0.15 
American Cockroach		Per a		≤ 0.10 
		Per a 7	Tropomyosin	≤ 0.10 

ANIMAL ORIGIN

Pet

Dog		Can f_Fd1	Uteroglobulin	0.16 
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 

Name	E/M	Allergen	Function	kU _A /L
	⊙	Can f 4	Lipocalin	≤ 0.10
	⊙	Can f 6	Lipocalin	≤ 0.10
Guinea pig	⊙	Cav p 1	Lipocalin	≤ 0.10
Cat	⊙	Fel d 1	Uteroglobulin	0.58
	⊙	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
Rabbit, epithel	⊙	Ory c 1	Lipocalin	≤ 0.10
	⊙	Ory c 2	Lipophilin	≤ 0.10
	⊙	Ory c 3	Uteroglobulin	≤ 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		0.14
Horse, epithel	⊙	Equ c 1	Lipocalin	≤ 0.10
	⊙	Equ c 3	Serum Albumin	≤ 0.10
	⊙	Equ c 4	Latherin	0.16
Sheep, epithel	⊙	Ovi a_epithelia		0.12
Pig	⊙	Sus d_epithelia		0.18

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
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Name	E/M	Allergen	Function	kU _A /L
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CCD

Hom s Lactoferrin		⊙ Hom s LF	CCD	≤ 0.10
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Parasite

Pigeon tick		⊙ Arg r 1	Lipocalin	≤ 0.10
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Total IgE result: 22 kU/L

Reference range total-IgE
Adults: < 100 kU/L

SAMPLED ON 10/10/2024	PRINTED ON 14/10/2024
ASSAY PERFORMED ON 11/10/2024	APPROVED ON 12/10/2024

Information to cross-reactive allergens

Uteroglobin

Uteroglobins show a limited degree of cross-reactivity.

Uteroglobins are generated in salivary glands and in the skin of some furry animals. Higher levels of sIgE against Uteroglobins were observed in children with asthma to cat.

ALEX² - Number of tested allergen sources:

165

GRASS POLLEN

6

Bahia grass, Bermuda grass, Common reed, Perennial ryegrass, Rye, Timothy grass



COCKROACH

2

American cockroach, German cockroach



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



INSECT VENOMS

5

Common wasp venom, Fire ant venom, Honeybee venom, Long-headed wasp venom, Paper wasp venom



WEED POLLEN

10

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



FUNGAL SPORES & YEAST

6

Alternaria alternata, Aspergillus fumigatus, Baker's yeast, Cladosporium herbarum, Malassezia sympodialis, Penicillium chrysogenum



HOUSE DUST MITES & STORAGE MITES

7

Acarus siro, American house dust mite, Blomia tropicalis, European house dust mite, Glycyphagus domesticus, Lepidoglyphus destructor, Tyrophagus putrescentiae



EGG

2

Egg white, Egg yolk



LEGUMES

6

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



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



GRAINS

11

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



MEAT

10

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



SPICES

6

Anise, Caraway, Mustard, Oregano, Paprika, Parsley



PETS

7

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



FRUITS

15

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



FARM ANIMALS

5

Cattle, Goat, Horse, Pig, Sheep



VEGETABLES

6

Carrot, Celery, Garlic, Onion, Potato, Tomato



OTHERS

4

Latex, Human lactoferrin, Pigeon tick, Weeping fig



NUTS & SEEDS

13

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

Raven Interpretation Summary

Sample Information

The sample was tested on ALEX² Barcode 02BXA369, interpretation date 11/10/2024.

Of the tested 295 allergens, 2 were/was above the cut off of 0.3 kU_A/L. A sensitisation can be an indicator of an IgE dependent allergy. For all positive ALEX² allergens, comments for interpretation guidance are listed below.

Total IgE: 22 kU/L

The measured total IgE was 22 kU/L. With a total IgE titre of below 100 kU/L, allergy is possible but unlikely.

Furry Animals

Cat

Sensitisation to cat was detected. Allergic symptoms associated with this allergen source range from allergic rhinoconjunctivitis to allergic asthma.

Fel d 1 is a member of the Uteroglobulin (UG) allergen family and a marker for genuine cat allergy. Fel d 1 is also serves as a marker for AIT indication, if corresponding clinical symptoms are present. The degree of cross-reactivity between Fel d 1 and other members of the UG allergen family is low to moderate (e.g. Can f Fel d 1 like from dog).

If avoidance of cats is not possible, an AIT can be prescribed. Symptomatic treatment includes anti-histamines as well as local corticosteroids in various formulations (tablet, spray). Avoidance of exposition to cats is strongly recommended.

Red Meat

Beef

Sensitisation to beef was detected. Allergic symptoms associated with beef range from gastrointestinal symptoms to anaphylaxis. Also, a major manifestation is exacerbation of underlying eczema. Beef allergy can be caused via sensitisation to Serum Albumin (Bos d 6), or via sensitisation to alpha-Gal, a heat resistant sugar in non-primate mammals. Clinical reactions to alpha-Gal often have a delay of 3-6 hours. Tickbites are the main sensitisation route.

Avoidance is the first-line therapy in alpha-Gal-dependent beef allergy. In Serum Albumin associated beef allergy, heat treatment and other approaches can decrease the allergenicity of beef. Extensive patient training on avoidance measures is advised.

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 ALEX² 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 ALEX² RESULTS.