



PATIENT ID:

PATIENT NAME:

DATE OF BIRTH:

SAMPLE CODE:

DUMMY

QR-CODE:

ANALYZED ON:

TESTED ALLERGENS:

295

TEST METHOD:

ALEX²

REFERRING PHYSICIAN:

ADDITIONAL INFORMATION:

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	
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PLANT-BASED FOOD

Legumes	
Grains	
Spices	
Fruits	
Vegetables	
Nuts & Seeds	

INSECTS & VENOMS

Ant, Bee, Wasp	
Cockroach	

MICROORGANISMS

Fungal Spores & Yeast	
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ANIMAL-DERIVED FOOD

Milk	
Egg	
Fish & Seafood	
Meat	

EPITHELIAL TISSUES OF ANIMALS

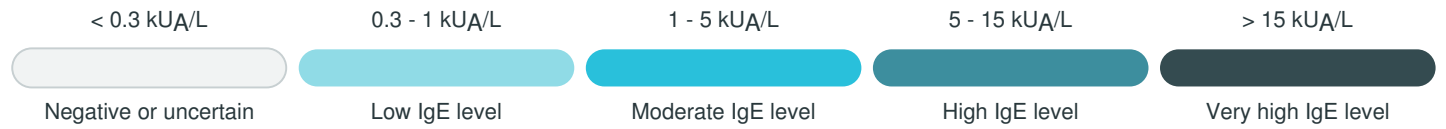
Pets	
Farm Animals	

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	≤ 0.10	
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		≤ 0.10	
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		≤ 0.10	
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	
Mountain cedar		Jun a		≤ 0.10	
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	≤ 0.10
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

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



Name	E/M	Allergen	Function	kU _A /L
		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	≤ 0.10

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	≤ 0.10
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
Penicillium 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	≤ 0.10 
		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 
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 

Name	E/M	Allergen	Function	kU _A /L
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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 
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	≤ 0.10 
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 
		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 

Name	E/M	Allergen	Function	kU _A /L
Sesame		Pap s 2S Albumin	2S Albumin	≤ 0.10
		Ses i		≤ 0.10
Fenugreek seeds		Ses i 1	2S Albumin	≤ 0.10
		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	≤ 0.10
		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	0.15
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

Name	E/M	Allergen	Function	kU _A /L
		Gad m 1	β-Parvalbumin	≤ 0.10
Lobster		Hom g		2.34
Shrimp		Lit s		≤ 0.10
Squid		Lol spp.		≤ 0.10
Common mussel		Myt e		≤ 0.10
Oyster		Ost e		1.46
Shrimp		Pan b		4.31
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		≤ 0.10
		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



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	≤ 0.10
		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	Uteroglobulin	≤ 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



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	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
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
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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: 829 kU/L

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

PRINTED ON
07/08/2024

ASSAY PERFORMED ON
08/11/2023

APPROVED ON
08/11/2023

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



FUNGAL SPORES & YEAST

6

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



WEED POLLEN

10

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



MILK

5

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



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



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



LEGUMES

6

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



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, Hom s 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 02AZR1AD, interpretation date 14/06/2024.

Of the tested 295 allergens, 3 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: 829 kU/L

The measured total IgE was 829 kU/L. With a total IgE titre above 100 kU/L, allergy is likely.

Seafood

Lobster

Sensitisation to lobster was detected. Allergic symptoms associated with lobster allergy include mild to severe anaphylactic reactions after consumption as well as respiratory/asthmatic reactions upon exposure to cooking vapors. The degree of cross-reactivity between crustaceans is very high.

Include extensive patient training on avoidance measures and the prescription of an emergency kit (including adrenalin autoinjector for severe cases).

Bivalvia (common mussel, oyster, venus clam, scallop)

Sensitisation to mussels was detected. Allergic symptoms associated with mussels of various species (common mussel, oyster, venus clam, scallop) range from oral allergy syndrome to anaphylaxis. Based on Tropomyosin (e.g. Pen m 1), Troponin C (e.g. Cra c 6) and other allergens, the degree of cross-reactivity between different mussel species can be very high. The importance of these cross-reactions has to be analysed on a clinical level.

Include extensive patient training on avoidance measures and the prescription of an emergency kit (including adrenalin autoinjector for severe cases).

Shrimp

Sensitisation to shrimp was detected. Allergic symptoms associated with shrimp allergy include mild to severe anaphylactic reactions after shrimp consumption as well as respiratory/asthmatic reactions upon exposure to cooking vapors. The degree of cross-reactivity between crustaceans is very high.

include extensive patient training on avoidance measures and the prescription of an emergency kit (including adrenalin autoinjector for severe cases).

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.