

PATIENT CODE



PATIENT NAME



SAMPLE CODE

LC_22670

QR-CODE

03AAM050

ALLERGENS

300

TEST METHOD

ALEX³

DOCTOR INFORMATION



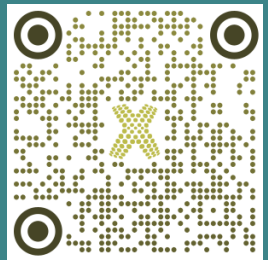
ANALYSIS DATE

07/08/2025

PRINT DATE

11/08/2025

ADDITIONAL INFORMATION



YOUR TEST RESULTS ARE THE KEY!

Improve your quality of life with lifestyle ideas and/or nutrition tips that are tailored to your personal test results!

Total IgE result: 536 kU/L

Reference range total-IgE
Adults < 100 kU/L

LAB REPORT

Summary of detectable sensitisations



POLLEN

Grass Pollen



Tree Pollen



Weed Pollen



MITES

House Dust Mites & Storage Mites



DANDER & EPITHELIA

Farm Animals



Pets



MICROORGANISMS

Fungal Spores & Yeast



INSECTS

Cockroach



VENOMS

Ant, Bee, Wasp



PLANT BASED FOOD

Fruits



Grain



Legumes



Nuts & Seeds



Spices



Vegetables



ANIMAL BASED FOOD

Egg



Fish & Seafood



Meat



Milk



OTHERS

Alpha Gal



CCD



Ficus



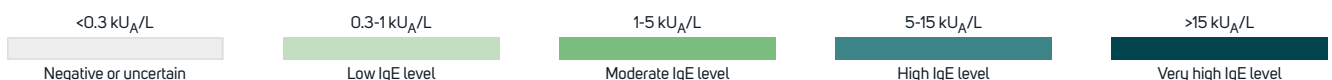
Latex



Parasite



Measured IgE concentration ranges per allergen group





Summary of all results - be aware that components are not added to the respective extracts (i.e. extracts are not spiked)!

Pollen

Grass Pollen

Name	E/M	Allergen	Allergen family	kU _A /L	
Bermuda grass		Cyn d 1	β Expansin		4.20
Bahia grass		Pas n			1.12
Timothy		Phl p 1	β Expansin		5.52
		Phl p 2	Expansin		0.76
		Phl p 5.0101	Grass Group 5/6		4.86
		Phl p 6	Grass Group 5/6		0.48
		Phl p 7	Polcalcin		5.80
		Phl p 12	Profilin		0.37
Rye, pollen		Sec c_pollen			2.17
Maize, pollen		Zea m 1	β Expansin		5.93

Tree Pollen

Name	E/M	Allergen	Allergen family	kU _A /L	
Alder		Aln g 1	PR 10		0.73
		Aln g 4	Polcalcin		10.30
Silver birch		Bet v 1	PR 10		2.26
		Bet v 7	Cyclophilin		8.81
Sugi		Cry j 1	Pectate Lyase		2.44
Arizona cypress		Cup a 1	Pectate Lyase		1.05
Walnut		Jug r_pollen			0.58
Olive		Ole e 7	nsLTP		2.60
Oak		Que a 1	PR 10		3.57

Weed Pollen

Name	E/M	Allergen	Allergen family	kU _A /L	
Ragweed		Amb a			1.11
		Amb a 1	Pectate Lyase		1.40
Mugwort		Art v 3	nsLTP		1.25
Hemp		Can s 3	nsLTP		0.38
Wall pellitory		Par j 2	nsLTP		0.90
Russian thistle		Sal k			0.31
		Sal k 1	Pectin Methylesterase		0.85

Mites



House Dust Mites & Storage Mites

Name	E/M	Allergen	Allergen family	kU _A /L
Acarus siro	⋮	Aca s		0.46
American house dust mite	⊙	Der f 1	Cysteine Protease	1.86
	⊙	Der f 2	NPC2 Family	8.39
European house dust mite	⊙	Der p 1	Cysteine Protease	7.05
	⊙	Der p 2	NPC2 Family	7.80
	⊙	Der p 5	Mite Group 5/21	1.51
	⊙	Der p 7	Mite Group 7	0.55
	⊙	Der p 20	Arginine Kinase	4.81
	⊙	Der p 21	Mite Group 5/21	0.35
	⊙	Der p 23	Peritrophin-like Protein Domain	1.53
Glycyphagus domesticus	⊙	Gly d 2	NPC2 Family	0.44
Tyrophagus putrescentiae	⋮	Tyr p		0.46

Dander & Epithelia

Farm Animals

Name	E/M	Allergen	Allergen family	kU _A /L
Goat	⋮	Cap h_epithelia		1.63
Horse	⊙	Equ c 1	Lipocalin	4.14
	⊙	Equ c 3	Serum Albumin	0.97
Pig	⋮	Sus d_epithelia		1.66

Pets

Name	E/M	Allergen	Allergen family	kU _A /L
Dog urine (incl. Can f 5)	⋮	Can f_male urine		4.11
Dog	⊙	Can f 1	Lipocalin	8.01
	⊙	Can f 2	Lipocalin	7.44
	⊙	Can f 3	Serum Albumin	9.49
	⊙	Can f 4	Lipocalin	10.17
	⊙	Can f 6	Lipocalin	8.51
Cat	⊙	Fel d 1	Uteroglobulin	6.69
	⊙	Fel d 2	Serum Albumin	4.86
	⊙	Fel d 4	Lipocalin	4.35
	⊙	Fel d 7	Lipocalin	3.22
Mouse	⊙	Mus m 1	Lipocalin	0.41

Microorganisms

Fungal Spores & Yeast



Name	E/M	Allergen	Allergen family	kU _A /L	
Alternaria alternata	●	Alt a 1	Alt a 1 Family		20.48
Aspergillus fumigatus	●	Asp f 3	Peroxisomal Protein		0.95
	●	Asp f 6	Mn Superoxide Dismutase		0.67
Cladosporium herbarum	⋮	Cla h			0.36
Malassezia sympodialis	●	Mala s 5	Unknown		1.43
	●	Mala s 6	Cyclophilin		8.87
	●	Mala s 11	Mn Superoxide Dismutase		3.06
	●	Mala s 13	Thioredoxin		5.44

Insects

Cockroach

Name	E/M	Allergen	Allergen family	kU _A /L	
German cockroach	●	Bla g 1	Nitrile Specifier		26.61
	●	Bla g 9	Arginine Kinase		6.18
American cockroach	⋮	Per a			1.29

Plant Based Food

Fruits

Name	E/M	Allergen	Allergen family	kU _A /L	
Kiwi	●	Act d 2	Thaumatococcus-like Protein		0.44
	●	Act d 10	nsLTP		1.41
Muskmelon	●	Cuc m 2	Profilin		0.86
Strawberry	●	Fra a 3	nsLTP		1.20
Apple	●	Mal d 1	PR 10		1.20
	●	Mal d 3	nsLTP		1.43
Cherry	●	Pru av 3	nsLTP		3.49
Peach	●	Pru p 3	nsLTP		1.43
Grape	●	Vit v 1	nsLTP		4.04

Grain

Name	E/M	Allergen	Allergen family	kU _A /L	
Oat	⋮	Ave s			0.78
Wheat	●	Tri a 14	nsLTP		0.62
Spelt	⋮	Tri s			0.39
Maize	●	Zea m 14	nsLTP		1.77

Legumes



Name	E/M	Allergen	Allergen family	kU _A /L
Peanut		Ara h 1	7/8S Globulin	0.84
		Ara h 2	2S Albumin	0.62
		Ara h 8	PR 10	0.91
		Ara h 9	nsLTP	1.51

Nuts & Seeds

Name	E/M	Allergen	Allergen family	kU _A /L
Cashew		Ana o 2	11S Globulin	0.33
		Ana o 3	2S Albumin	0.84
Hazelnut		Cor a 1.0401	PR 10	3.11
		Cor a 8	nsLTP	0.93
Walnut		Jug r 3	nsLTP	0.90
Pistachio		Pis v 1	2S Albumin	1.30

Spices

Name	E/M	Allergen	Allergen family	kU _A /L
Mustard		Sin a 1	2S Albumin	0.55

Vegetables

Name	E/M	Allergen	Allergen family	kU _A /L
Celery		Api g 2	nsLTP	2.24

Animal Based Food

Egg

Name	E/M	Allergen	Allergen family	kU _A /L
Egg yolk		Gal d 5	Serum Albumin	0.32

Fish & Seafood

Name	E/M	Allergen	Allergen family	kU _A /L
Herring		Clu h 1	β Parvalbumin	1.20
Carp		Cyp c 1	β Parvalbumin	0.64
Atlantic cod		Gad m 1	β Parvalbumin	0.60
Black tiger shrimp		Pen m 2	Arginine Kinase	3.62
		Pen m 3	Myosin Light Chain	0.92
Salmon		Sal s 1	β Parvalbumin	0.51
Atlantic mackerel		Sco s 1	β Parvalbumin	1.14
Tuna		Thu a 1	β Parvalbumin	1.22
Swordfish		Xip g 1	β Parvalbumin	1.54



Meat

Name	E/M	Allergen	Allergen family	kU _A /L	
Migratory locust	⋮	Loc m			1.11
Lamb	⋮	Ovi a_meat			1.27
Pig	⊙	Sus d 1	Serum Albumin		1.82

Milk

Name	E/M	Allergen	Allergen family	kU _A /L	
Cow's milk	⋮	Bos d_milk			0.91
	⊙	Bos d 8	Casein		1.44
	⊙	Bos d 9	α S1 Casein		0.41
	⊙	Bos d 11	β Casein		0.82
	⊙	Bos d 12	κ Casein		0.38
Goat's milk	⋮	Cap h_milk			0.54
Sheep's milk	⋮	Ovi a_milk			0.32

Others

Latex

Name	E/M	Allergen	Allergen family	kU _A /L	
Latex	⊙	Hev b 5	Unknown		0.61

Information to cross-reactive allergens

PR 10

Name	E/M	Allergen	Allergen family	kU _A /L	
Alder	⊙	Aln g 1	PR 10		0.73
Peanut	⊙	Ara h 8	PR 10		0.91
Silver birch	⊙	Bet v 1	PR 10		2.26
Hazelnut	⊙	Cor a 1.0401	PR 10		3.11
Apple	⊙	Mal d 1	PR 10		1.20
Oak	⊙	Que a 1	PR 10		3.57

LTPs

Name	E/M	Allergen	Allergen family	kU _A /L	
Kiwi	⊙	Act d 10	nsLTP		1.41
Celery	⊙	Api g 2	nsLTP		2.24
Peanut	⊙	Ara h 9	nsLTP		1.51
Mugwort	⊙	Art v 3	nsLTP		1.25
Hemp	⊙	Can s 3	nsLTP		0.38
Hazelnut	⊙	Cor a 8	nsLTP		0.93



Name	E/M	Allergen	Allergen family	kU _A /L	
Strawberry	⊙	Fra a 3	nsLTP		1.20
Walnut	⊙	Jug r 3	nsLTP		0.90
Apple	⊙	Mal d 3	nsLTP		1.43
Olive	⊙	Ole e 7	nsLTP		2.60
Wall pellitory	⊙	Par j 2	nsLTP		0.90
Cherry	⊙	Pru av 3	nsLTP		3.49
Peach	⊙	Pru p 3	nsLTP		1.43
Wheat	⊙	Tri a 14	nsLTP		0.62
Grape	⊙	Vit v 1	nsLTP		4.04
Maize	⊙	Zea m 14	nsLTP		1.77

Storage Proteins

Name	E/M	Allergen	Allergen family	kU _A /L	
Cashew	⊙	Ana o 2	11S Globulin		0.33
Cashew	⊙	Ana o 3	2S Albumin		0.84
Peanut	⊙	Ara h 1	7/8S Globulin		0.84
Peanut	⊙	Ara h 2	2S Albumin		0.62
Pistachio	⊙	Pis v 1	2S Albumin		1.30

Lipocalins

Name	E/M	Allergen	Allergen family	kU _A /L	
Dog	⊙	Can f 1	Lipocalin		8.01
Dog	⊙	Can f 4	Lipocalin		10.17
Dog	⊙	Can f 6	Lipocalin		8.51
Horse	⊙	Equ c 1	Lipocalin		4.14
Cat	⊙	Fel d 4	Lipocalin		4.35
Cat	⊙	Fel d 7	Lipocalin		3.22
Mouse	⊙	Mus m 1	Lipocalin		0.41

Profilin

Name	E/M	Allergen	Allergen family	kU _A /L	
Muskmelon	⊙	Cuc m 2	Profilin		0.86
Timothy	⊙	Phl p 12	Profilin		0.37

Parvalbumin

Name	E/M	Allergen	Allergen family	kU _A /L	
Herring	⊙	Clu h 1	β Parvalbumin		1.20
Carp	⊙	Cyp c 1	β Parvalbumin		0.64
Atlantic cod	⊙	Gad m 1	β Parvalbumin		0.60
Salmon	⊙	Sal s 1	β Parvalbumin		0.51
Atlantic mackerel	⊙	Sco s 1	β Parvalbumin		1.14



Name	E/M	Allergen	Allergen family	kU _A /L	
Tuna		Thu a 1	β Parvalbumin		1.22
Swordfish		Xip g 1	β Parvalbumin		1.54

Serum Albumin

Name	E/M	Allergen	Allergen family	kU _A /L	
Dog		Can f 3	Serum Albumin		9.49
Horse		Equ c 3	Serum Albumin		0.97
Cat		Fel d 2	Serum Albumin		4.86
Egg yolk		Gal d 5	Serum Albumin		0.32
Pig		Sus d 1	Serum Albumin		1.82

Polcalcin

Name	E/M	Allergen	Allergen family	kU _A /L	
Alder		Aln g 4	Polcalcin		10.30
Timothy		Phl p 7	Polcalcin		5.80

NPC2

Name	E/M	Allergen	Allergen family	kU _A /L	
American house dust mite		Der f 2	NPC2 Family		8.39
European house dust mite		Der p 2	NPC2 Family		7.80
Glycyphagus domesticus		Gly d 2	NPC2 Family		0.44

Arginin Kinase

Name	E/M	Allergen	Allergen family	kU _A /L	
German cockroach		Bla g 9	Arginine Kinase		6.18
European house dust mite		Der p 20	Arginine Kinase		4.81
Black tiger shrimp		Pen m 2	Arginine Kinase		3.62

Uteroglobin

Name	E/M	Allergen	Allergen family	kU _A /L	
Cat		Fel d 1	Uteroglobin		6.69

Beta Expansin

Name	E/M	Allergen	Allergen family	kU _A /L	
Bermuda grass		Cyn d 1	β Expansin		4.20
Timothy		Phl p 1	β Expansin		5.52
Maize, pollen		Zea m 1	β Expansin		5.93



RAVEN² analysis completed on 11.08.2025 07:21. It analysed a total of 299 spots, of which 114 were positive.

Seasonal (Spring)

The patient did not report any symptoms indicative of allergies in spring time.

Genuine sensitisation to arizona cypress and silver birch and IgE-reactivity to walnut pollen were detected without any reported symptoms upon exposure. Sensitisation to different cross-reactive families can lead to sensitisation to other trees.

Sensitisation to arizona cypress, silver birch, ragweed, russian thistle, timothy grass, wall pellitory, aspergillus fumigatus, dermatophagoides pteronyssinus, latex, malassezia sympodialis, cashew, kiwi, mustard, peach, peanut and pistachio are suspected to be the primary sources of cross-sensitisation to other Fagales, Cupressaceae and Oleaceae, respectively.

Confirmation of absence of clinical reactivity to Oleaceae might be advisable.

Seasonal (Summer)

The patient did not report any symptoms indicative of allergies in summer.

Genuine sensitisation to alternaria alternata, ragweed, russian thistle, timothy grass and wall pellitory and IgE-reactivity to bahia grass, cladosporium herbarum and rye pollen were detected without any reported symptoms upon exposure. Sensitisation to different cross-reactive families can lead to sensitisation to other weeds and other trees.

Sensitisation to arizona cypress, silver birch, alternaria alternata, ragweed, russian thistle, timothy grass, wall pellitory, aspergillus fumigatus, dermatophagoides pteronyssinus, latex, malassezia sympodialis, cashew, kiwi, mustard, peach, peanut and pistachio are suspected to be the primary sources of cross-sensitisation to other grasses and Oleaceae, respectively. Confirmation of absence of clinical reactivity to Oleaceae and weeds might be advisable.

Perennial

The patient did not report any symptoms indicative of perennial allergies.

Genuine sensitisation to aspergillus fumigatus, cat, dermatophagoides pteronyssinus, dog,

german cockroach, latex and malassezia sympodialis and IgE-reactivity to acarus siro, american cockroach, goat, pig, migratory locust and tyrophagus putrescentiae were detected without any reported symptoms upon exposure. Sensitisation to different cross-reactive families can lead to sensitisation to other mould.

Sensitisation to silver birch, timothy grass, aspergillus fumigatus, dermatophagoides pteronyssinus, german cockroach, malassezia sympodialis, black-tiger shrimp, peanut, cat, dog, cow's milk, arizona cypress, ragweed, latex, kiwi and mustard are suspected to be the primary sources of cross-sensitisation to other domestic mites, insects, animal dander and hemp, respectively.

Confirmation of absence of clinical reactivity to hemp might be advisable.

Food

The patient did not report any symptoms indicative of food-related allergies.

Genuine sensitisation to black-tiger shrimp, cashew, cow's milk, egg yolk, kiwi, mustard, peach, peanut, pistachio and tuna and IgE-reactivity to goat's milk, sheep's milk, lamb meat, oat, shrimp mix, spelt and strawberry were detected without any reported symptoms upon exposure. Sensitisation to different cross-reactive families can lead to sensitisation to other peanut and legumes and crab/lobster, insects, molluscs, parasites and spices.

Sensitisation to cat, dog, cow's milk, arizona cypress, silver birch, ragweed, russian thistle, timothy grass, wall pellitory, aspergillus fumigatus, dermatophagoides pteronyssinus, latex, malassezia sympodialis, cashew, kiwi, mustard, peach, peanut, pistachio, german cockroach, black-tiger shrimp and tuna are suspected to be the primary sources of cross-sensitisation to other milk, meat, cereals and seeds, fruits, tree nuts, prawn/shrimp, fish and vegetables and hemp, respectively.

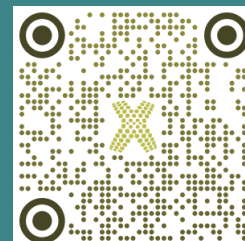
Confirmation of absence of clinical reactivity to tree nuts, fruits, vegetables, peanut and legumes, hemp and cereals and seeds might be advisable.

Contact allergens and insect venom

The patient did not report any symptoms indicative of allergies to insects- or arachnid venom.

YOUR TEST RESULTS ARE THE KEY!

Improve your quality of life with nutrition tips and lifestyle ideas that are customised to your personal test result!



ALEX³ – Number of tested allergen sources

	Grass Pollen 6		Grain 11		Egg 2
	Bahia grass, Bermuda grass, Common reed, Maize, pollen, Rye, pollen, Timothy		Barley, Buckwheat, Cultivated rye, Lupine seed, Maize, Maize, pollen, Millet, Oat, Quinoa, Spelt, Wheat		Egg white, Egg yolk
	Tree Pollen 14		Spices 1		Fish & Seafood 18
	Acacia, Alder, Arizona cypress, Ash, Cypress, London plane tree, Mountain cedar, Oak, Olive, Paper mulberry, Silver birch, Sugi, Tree of heaven, Walnut		Mustard		Anisakis simplex, Atlantic cod, Atlantic mackerel, Black tiger shrimp, Brown shrimp, Carp, Crab, Giant freshwater prawn, Herring, Lobster, Northern prawn, Salmon, Squid, Swordfish, Thornback ray, Tuna, Venus clam, Whiteleg shrimp
	Weed Pollen 8		Fruits 14		Meat 9
	Hemp, Lamb's quarter, Mugwort, Pigweed, Ragweed, Ribwort, Russian thistle, Wall pellitory		Apple, Avocado, Banana, Cherry, Coconut, Fig, Grape, Kiwi, Mango, Muskmelon, Papaya, Peach, Pear, Strawberry		Beef, Chicken, Horse, House cricket, Lamb, Mealworm, Migratory locust, Pig, Turkey
	House Dust Mites & Storage Mites 7		Cockroach 2		Pets 9
	Acarus siro, American house dust mite, Blomia tropicalis, European house dust mite, Glycyphagus domesticus, Lepidoglyphus destructor, Tyrophagus putrescentiae		American cockroach, German cockroach		Cat, Djungarian hamster, Dog, Dog urine (incl. Can f 5), Golden hamster, Guinea pig, Mouse, Rabbit, Rat
	Vegetables 5		Ant, Bee, Wasp 5		Farm Animals 4
	Celery, Garlic, Onion, Potato, Tomato		Bald-faced Hornet, Common wasp, Fire ant, Honey bee, Paper wasp		Cattle, Goat, Horse, Pig
	Nuts & Seeds 12		Fungal Spores & Yeast 5		Others 5
	Almond, Brazil nut, Cashew, Hazelnut, Macadamia, Pecan, Pistachio, Poppy seed, Pumpkin seed, Sesame, Sunflower seed, Walnut		Alternaria alternata, Aspergillus fumigatus, Cladosporium herbarum, Malassezia sympodialis, Penicilium chrysogenum		Alpha Gal, Hom s Lactoferrin, Latex, Pigeon tick, Weeping fig
	Legumes 6		Milk 5		
	Chickpea, Lentil, Pea, Peanut, Pine nut, Soy		Camel's milk, Cow's milk, Goat's milk, Mare's milk, Sheep's milk		