



The Doctors Laboratory
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REFERRING PHYSICIAN:

TDL

PRINTED ON:

28/11/2022

ADDITIONAL INFORMATION:

Bio-Rad IQC

TEST METHOD:

ALEX²

ASSAY PERFORMED ON:

28/11/2022

PATIENT ID:

3222650

PATIENT NAME:

Lyphochek Panel A IQC

DATE OF BIRTH:



QR-CODE:

02AQR0E3

TESTED ALLERGENS:

295

APPROVED ON:

28/11/2022

Lab report: Summary on detectable sensitisations

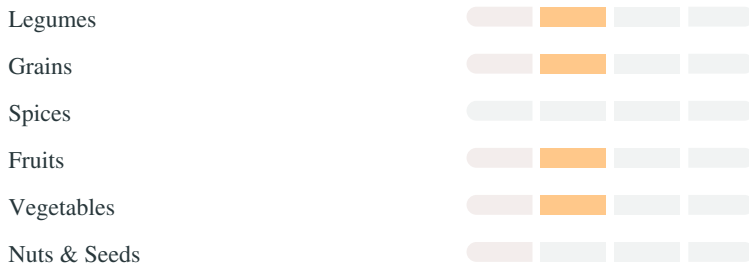
POLLEN



MITES



PLANT-BASED FOOD



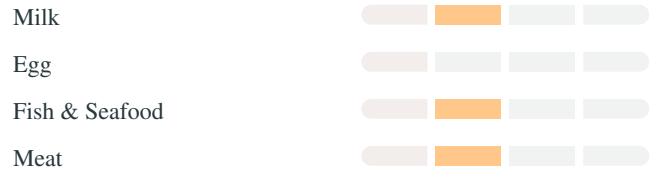
INSECTS & VENOMS



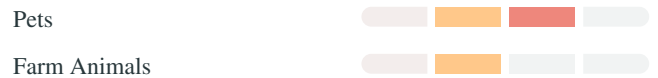
MICROORGANISMS



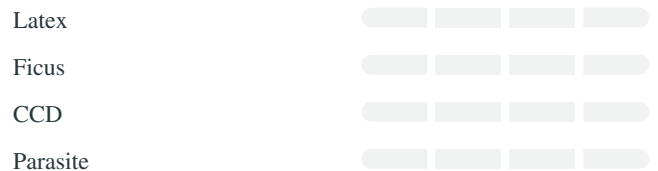
ANIMAL-DERIVED FOOD



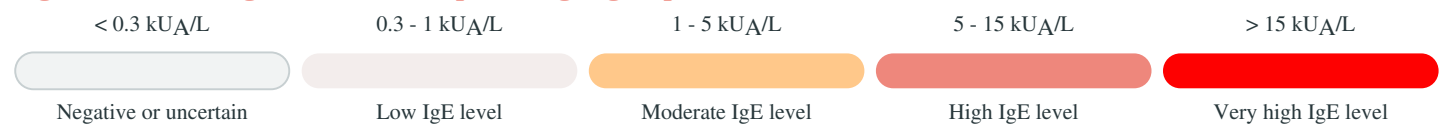
EPITHELIAL TISSUES OF ANIMALS



OTHERS



























Highest measured IgE concentration per allergen group


























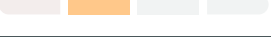
















Name	E/M	Allergen	Function	kU _A /L
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POLLEN

Grass Pollen

Bermuda grass		Cyn d		1.94 
		Cyn d 1	Beta-Expansin	3.23 
Perennial Ryegrass		Lol p 1	Beta-Expansin	4.40 
Bahia grass		Pas n		1.43 
Timothy grass		Phl p 1	Beta-Expansin	5.60 
		Phl p 2	Expansin	0.89 
		Phl p 5.0101	Grass Group 5/6	5.55 
		Phl p 6	Grass Group 5/6	0.73 
		Phl p 7	Polcalcin	5.30 
		Phl p 12	Profilin	0.28 
Common reed		Phr c		0.13 
Cultivated rye, Pollen		Sec c_pollen		1.34 

Tree Pollen

Acacia		Aca m		≤ 0.10 
Tree of Heaven		Ail a		≤ 0.10 
Alder		Aln g 1	PR-10	0.22 
		Aln g 4	Polcalcin	8.21 
Silver birch		Bet v 1	PR-10	2.59 
		Bet v 2	Profilin	0.12 
		Bet v 6	Isoflavon Reductase	≤ 0.10 
Paper mulberry		Bro pa		≤ 0.10 
Hazel pollen		Cor a_pollen		0.21 
		Cor a 1.0103	PR-10	0.46 
Sugi		Cry j 1	Pectate Lyase	0.99 
Cypress		Cup a 1	Pectate Lyase	1.54 
		Cup s		0.13 
Beech		Fag s 1	PR-10	0.85 
Ash		Fra e		≤ 0.10 
		Fra e 1	Ole e 1-Family	≤ 0.10 
Walnut pollen		Jug r_pollen		0.46 
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	0.81
London plane tree	○	Pla a 1	Plant Invertase	≤ 0.10
	○	Pla a 2	Polygalacturonase	≤ 0.10
	○	Pla a 3	nsLTP	0.36
Cottonwood	●●●	Pop n		0.11
Elm	●●●	Ulm c		≤ 0.10

Weed Pollen

Common Pigweed	●●●	Ama r		0.28
Ragweed	●●●	Amb a		0.76
	○	Amb a 1	Pectate Lyase	0.94
	○	Amb a 4	Plant Defensin	≤ 0.10
Mugwort	●●●	Art v		0.30
	○	Art v 1	Plant Defensin	≤ 0.10
	○	Art v 3	nsLTP	0.61
Hemp	●●●	Can s		≤ 0.10
	○	Can s 3	nsLTP	0.19
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	0.48
Ribwort	●●●	Pla l		≤ 0.10
	○	Pla l 1	Ole e 1-Family	0.11
Russian thistle	●●●	Sal k		≤ 0.10
	○	Sal k 1	Pectin Methylesterase	0.80
Nettle	●●●	Urt d		≤ 0.10

MITES

House Dust Mite

American house dust mite	○	Der f 1	Cysteine protease	2.43
	○	Der f 2	NPC2 Family	8.00
European house dust mite	○	Der p 1	Cysteine protease	2.75
	○	Der p 2	NPC2 Family	8.40
	○	Der p 5	unknown	1.30

Name	E/M	Allergen	Function	kU _A /L
	○	Der p 7	Mites, Group 7	0.39
	○	Der p 10	Tropomyosin	0.23
	○	Der p 11	Myosin, heavy chain	≤ 0.10
	○	Der p 20	Arginine kinase	5.89
	○	Der p 21	unknown	0.62
	○	Der p 23	Peritrophin-like protein domain	2.87

Storage Mite

Acarus siro	●●●●	Aca s		0.18
Blomia tropicalis	○	Blo t 5	Mites, Group 5	≤ 0.10
	○	Blo t 10	Tropomyosin	0.35
	○	Blo t 21	unknown	≤ 0.10
Glycyphagus domesticus	○	Gly d 2	NPC2 Family	0.78
Lepidoglyphus destructor	○	Lep d 2	NPC2 Family	0.14
Tyrophagus putrescentiae	●●●●	Tyr p		0.24
	○	Tyr p 2	NPC2 Family	≤ 0.10

MICROORGANISMS & SPORES

Yeast

Malassezia sympodialis	○	Mala s 5	unknown	1.96
	○	Mala s 6	Cyclophilin	0.35
	○	Mala s 11	Mn Superoxid-Dismutase	1.55
Yeast	●●●●	Sac c		≤ 0.10

Moulds

Alternaria alternata	○	Alt a 1	Alt a 1-Family	10.41
	○	Alt a 6	Enolase	≤ 0.10
Aspergillus fumigatus	○	Asp f 1	Mitogillin Family	≤ 0.10
	○	Asp f 3	Peroxisomal Protein	1.23
	○	Asp f 4	unknown	≤ 0.10
	○	Asp f 6	Mn Superoxid-Dismutase	0.14
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	0.25	
	⊙	Ara h 2	2S Albumin	0.65	
	⊙	Ara h 3	11S Globulin	≤ 0.10	
	⊙	Ara h 6	2S Albumin	≤ 0.10	
	⊙	Ara h 8	PR-10	0.37	
	⊙	Ara h 9	nsLTP	0.73	
	⊙	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	1.73	
Lentil	⊙	Len c		≤ 0.10	
White bean	⊙	Pha v		≤ 0.10	
Pea	⊙	Pis s		≤ 0.10	

Cereals

Oat	⊙	Ave s		0.38	
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	0.66	
	⊙	Tri a 19	Omega-5-Gliadin	≤ 0.10	
Spelt	⊙	Tri s		≤ 0.10	
Maize	⊙	Zea m		0.74	
	⊙	Zea m 14	nsLTP	1.70	

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	0.14
		Act d 5	Kiwellin	≤ 0.10
		Act d 10	nsLTP	0.68
Papaya		Car p		≤ 0.10
Orange		Cit s		≤ 0.10
Melon		Cuc m 2	Profilin	0.79
Fig		Fic c		≤ 0.10
Strawberry		Fra a 1+3	PR-10+LTP	2.23
Apple		Mal d 1	PR-10	0.89
		Mal d 2	TLP	≤ 0.10
		Mal d 3	nsLTP	1.57
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	1.52
Pear		Pyr c		≤ 0.10
Blueberry		Vac m		0.13
Grapes		Vit v 1	nsLTP	2.38

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	1.54
		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 1		≤ 0.10
		Sola 1 6	nsLTP	≤ 0.10

Nuts

Cashew		Ana o		0.81
		Ana o 2	11S Globulin	≤ 0.10
		Ana o 3	2S Albumin	0.41
Brazil nut		Ber e		≤ 0.10
		Ber e 1	2S Albumin	≤ 0.10
Pecan		Car i		0.17
Hazelnut		Cor a 1.0401	PR-10	0.89
		Cor a 8	nsLTP	0.27
		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	0.43
		Jug r 2	7/8S Globulin	≤ 0.10
		Jug r 3	nsLTP	0.34
		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	0.30
		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
	○	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		1.45
	○	Bos d 4	α-Lactalbumin	≤ 0.10
	○	Bos d 5	β-Lactoglobulin	0.14
	○	Bos d 8	Casein	1.36
Camel	●●●●	Cam d		≤ 0.10
Goat, milk	●●●●	Cap h_milk		0.30
Mare's milk	●●●●	Equ c_milk		≤ 0.10
Sheep, milk	●●●●	Ovi a_milk		0.33

Egg

Egg white	●●●●	Gal d_white		0.45
Egg yolk	●●●●	Gal d_yolk		0.12
Egg white	○	Gal d 1	Ovomucoid	≤ 0.10
	○	Gal d 2	Ovalbumin	0.20
	○	Gal d 3	Ovotransferrin	≤ 0.10
	○	Gal d 4	Lysozym C	≤ 0.10
Egg yolk	○	Gal d 5	Serum Albumin	0.23

Seafood

Herring worm	○	Ani s 1	Kunitz Serin Protease Inhibitor	≤ 0.10
	○	Ani s 3	Tropomyosin	0.36
Crab	●●●●	Chi spp.		≤ 0.10
Herring	●●●●	Clu h		0.30
	○	Clu h 1	β-Parvalbumin	0.84
Brown shrimp	○	Cra c 6	Troponin C	≤ 0.10
Carp	○	Cyp c 1	β-Parvalbumin	0.95
Atlantic cod	●●●●	Gad m		0.43
	○	Gad m 2+3	β-Enolase & Aldolase	≤ 0.10

Name	E/M	Allergen	Function	kU _A /L
		Gad m 1	β-Parvalbumin	0.41
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	2.17
		Pen m 3	Myosin, light chain	0.78
		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	0.52
Atlantic mackerel		Sco s		≤ 0.10
		Sco s 1	β-Parvalbumin	1.51
Tuna		Thu a		≤ 0.10
		Thu a 1	β-Parvalbumin	1.06
Swordfish		Xip g 1	β-Parvalbumin	1.32

Meat

House cricket		Ach d		0.26
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		0.44
Turkey		Mel g		≤ 0.10
Rabbit, meat		Ory_meat		≤ 0.10
Sheep, meat		Ovi a_meat		0.36
		Sus d 1	Serum Albumin	1.66
Pork		Sus d_meat		≤ 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	17.16
		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	4.37
American Cockroach		Per a		6.24
		Per a 7	Tropomyosin	0.22

ANIMAL ORIGIN

Pet

Dog		Can f_Fd1	Uteroglobin	5.79
Male dog urine (incl. Can f 5)		Can f_male urine		4.52
Dog		Can f 1	Lipocalin	5.38
		Can f 2	Lipocalin	4.38
		Can f 3	Serum Albumin	6.64

Name	E/M	Allergen	Function	kU _A /L
	○	Can f 4	Lipocalin	7.92
	○	Can f 6	Lipocalin	4.88
Guinea pig	○	Cav p 1	Lipocalin	≤ 0.10
Cat	○	Fel d 1	Uteroglobin	6.15
	○	Fel d 2	Serum Albumin	2.35
	○	Fel d 4	Lipocalin	1.43
	○	Fel d 7	Lipocalin	2.02
House mouse	○	Mus m 1	Lipocalin	0.67
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		0.12

Farm Animals

Cattle	○	Bos d 2	Lipocalin	≤ 0.10
Goat, epithel	●●●●	Cap h_epithelia		0.96
Horse, epithel	○	Equ c 1	Lipocalin	3.28
	○	Equ c 3	Serum Albumin	0.20
	○	Equ c 4	Latherin	≤ 0.10
Sheep, epithel	●●●●	Ovi a_epithelia		≤ 0.10
Pig	●●●●	Sus d_epithelia		0.43

OTHERS

Latex

Latex	○	Hev b 1	Rubber elongation factor	≤ 0.10
	○	Hev b 3	Small rubber particle protein	≤ 0.10
	○	Hev b 5	unknown	0.28
	○	Hev b 6.02	Hevein	≤ 0.10
	○	Hev b 8	Profilin	0.12
	○	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	<input checked="" type="radio"/>	Hom s LF	CCD	≤ 0.10
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Parasite

Pigeon tick	<input checked="" type="radio"/>	Arg r 1	Lipocalin	≤ 0.10
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