

Patient ID: test		Referring Physician:
Patient Name: test		
Date of Birth:		
Sample ID: test		Additional Information:
Barcode: 02ALP0C7		
Tested on: 21/03/2022		
Approved on: 21/03/2022		
Printed on: 21/03/2022		
Note: The internal QC (Plausibility check for GD) was within acceptance range.		

Lab report: Summary on detectable sensitisations

			Cross-reactive Allergen Families	
Pollen	Grass Pollen	4	Polcalcin	0
	Tree Pollen	4	Profilin	0
	Weed Pollen	0	PR-10	4
Mites	House Dust Mites & Storage Mites	0	Ole e 1 Family	0
Microorganisms	Fungal Spores & Yeast	0	LTPs	0
Plant-Based Food	Legumes	3	Storage Proteins	0
	Grain	0	Lipocalins	0
	Spices	0	NPC2	0
	Fruits	3	Serum albumin	0
	Vegetables	0	Parvalbumin	0
	Nuts & Seeds	2	Tropomyosin	0
Animal-Derived Food	Milk	0	CCD	0
	Egg	0	Uteroglobulin	0
	Fish & Seafood	0	Arginine kinase	0
	Meat	0		
Insects & Venoms	Ant, Bee, Wasp	0	Total IgE (kU/L)	270
	Cockroach	0		
Epithelial Tissues of Animals	Pets	0		
	Animals	0		
Others	Latex	0		
	Ficus & Hops	0		
	CCD	0		
	Parasite	0		

Highest measured IgE concentration per allergen group				
< 0.3 kU _A /L	0.3 - 1 kU _A /L	1 - 5 kU _A /L	5 - 15 kU _A /L	> 15 kU _A /L
0	1	2	3	4
Negative or uncertain	Low IgE level	Moderate IgE level	High IgE level	Very high IgE level

Name	Allergen	E/M(*)	Function	kU _A /L
Pollen				
Grass Pollen				
Bermuda grass	Cyn d	E		8.14
Bermuda grass	Cyn d 1	M	Beta-Expansin	12.06
Perennial Ryegrass	Lol p 1	M	Beta-Expansin	38.06
Bahia grass	Pas n	E		2.27
Timothy grass	Phl p 1	M	Beta-Expansin	37.15
Timothy grass	Phl p 2	M	Expansin	≤ 0.1
Timothy grass	Phl p 5.0101	M	Grass Group 5/6	39.19
Timothy grass	Phl p 6	M	Grass Group 5/6	35
Timothy grass	Phl p 7	M	Polcalcin	≤ 0.1
Timothy grass	Phl p 12	M	Profilin	≤ 0.1
Common reed	Phr c	E		0.45
Cultivated rye, Pollen	Sec c_pollen	E		7.97
Tree Pollen				
Acacia	Aca m	E		≤ 0.1
Tree of Heaven	Ail a	E		≤ 0.1
Alder	Aln g 1	M	PR-10	4.48
Alder	Aln g 4	M	Polcalcin	≤ 0.1
Silver birch	Bet v 1	M	PR-10	24.82
Silver birch	Bet v 2	M	Profilin	≤ 0.1
Silver birch	Bet v 6	M	Isoflavon Reductase	≤ 0.1
Paper mulberry	Bro pa	E		≤ 0.1
Hazel pollen	Cor a_pollen	E		4.59
Hazel pollen	Cor a 1.0103	M	PR-10	14.2
Sugi	Cry j 1	M	Pectate Lyase	≤ 0.1
Cypress	Cup a 1	M	Pectate Lyase	≤ 0.1
Cypress	Cup s	E		≤ 0.1
Beech	Fag s 1	M	PR-10	15.68
Ash	Fra e	E		≤ 0.1
Ash	Fra e 1	M	Ole e 1-Family	≤ 0.1
Walnut pollen	Jug r_pollen	E		≤ 0.1
Mountain cedar	Jun a	E		≤ 0.1
Mulberry	Mor r	E		≤ 0.1
Olive	Ole e 1	M	Ole e 1-Family	≤ 0.1
Olive	Ole e 9	M	1,3 β Glucanase	≤ 0.1
Date palm	Pho d 2	M	Profilin	≤ 0.1
London plane tree	Pla a 1	M	Plant Invertase	≤ 0.1
London plane tree	Pla a 2	M	Polygalacturonase	≤ 0.1
London plane tree	Pla a 3	M	nsLTP	≤ 0.1
Cottonwood	Pop n	E		≤ 0.1
Elm	Ulm c	E		≤ 0.1
Weed Pollen				
Common Pigweed	Ama r	E		≤ 0.1
Ragweed	Amb a	E		≤ 0.1
Ragweed	Amb a 1	M	Pectate Lyase	≤ 0.1

Name	Allergen	E/M(*)	Function	kU _A /L
Ragweed	Amb a 4	M	Plant Defensin	≤ 0.1
Mugwort	Art v	E		≤ 0.1
Mugwort	Art v 1	M	Plant Defensin	≤ 0.1
Mugwort	Art v 3	M	nsLTP	≤ 0.1
Hemp	Can s	E		≤ 0.1
Hemp	Can s 3	M	nsLTP	≤ 0.1
Lamb's quarter	Che a	E		≤ 0.1
Lamb's quarter	Che a 1	M	Ole e 1-Family	≤ 0.1
Annual mercury	Mer a 1	M	Profilin	≤ 0.1
Wall pellitory	Par j	E		≤ 0.1
Wall pellitory	Par j 2	M	nsLTP	≤ 0.1
Ribwort	Pla l	E		≤ 0.1
Ribwort	Pla l 1	M	Ole e 1-Family	≤ 0.1
Russian thistle	Sal k	E		≤ 0.1
Russian thistle	Sal k 1	M	Pectin Methylesterase	≤ 0.1
Nettle	Urt d	E		≤ 0.1
Mites				
House Dust Mite				
American house dust mite	Der f 1	M	Cysteine protease	≤ 0.1
American house dust mite	Der f 2	M	NPC2 Family	≤ 0.1
European house dust mite	Der p 1	M	Cysteine protease	0.11
European house dust mite	Der p 2	M	NPC2 Family	≤ 0.1
European house dust mite	Der p 5	M	unknown	≤ 0.1
European house dust mite	Der p 7	M	Mites, Group 7	0.11
European house dust mite	Der p 10	M	Tropomyosin	≤ 0.1
European house dust mite	Der p 11	M	Myosin, heavy chain	≤ 0.1
European house dust mite	Der p 20	M	Arginine kinase	≤ 0.1
European house dust mite	Der p 21	M	unknown	≤ 0.1
European house dust mite	Der p 23	M	Peritrophin-like protein domain	≤ 0.1
Storage Mite				
Acarus siro	Aca s	E		≤ 0.1
Blomia tropicalis	Blo t 5	M	Mites, Group 5	≤ 0.1
Blomia tropicalis	Blo t 10	M	Tropomyosin	≤ 0.1
Blomia tropicalis	Blo t 21	M	unknown	≤ 0.1
Glycyphagus domesticus	Gly d 2	M	NPC2 Family	≤ 0.1
Lepidoglyphus destructor	Lep d 2	M	NPC2 Family	≤ 0.1
Tyrophagus putrescentiae	Tyr p	E		≤ 0.1
Tyrophagus putrescentiae	Tyr p 2	M	NPC2 Family	≤ 0.1
Microorganisms & Spores				
Yeast				
Malassezia sympodialis	Mala s 5	M	unknown	≤ 0.1
Malassezia sympodialis	Mala s 6	M	Cyclophilin	≤ 0.1
Malassezia sympodialis	Mala s 11	M	Mn Superoxid-Dismutase	≤ 0.1
Yeast	Sac c	E		≤ 0.1
Moulds				

Name	Allergen	E/M(*)	Function	kU _A /L
Alternaria alternata	Alt a 1	M	Alt a 1-Family	≤ 0.1
Alternaria alternata	Alt a 6	M	Enolase	≤ 0.1
Aspergillus fumigatus	Asp f 1	M	Mitogillin Family	≤ 0.1
Aspergillus fumigatus	Asp f 3	M	Peroxisomal Protein	≤ 0.1
Aspergillus fumigatus	Asp f 4	M	unknown	≤ 0.1
Aspergillus fumigatus	Asp f 6	M	Mn Superoxid-Dismutase	≤ 0.1
Cladosporium herbarum	Cla h	E		≤ 0.1
Cladosporium herbarum	Cla h 8	M	Short Chain Dehydrogenase	≤ 0.1
Penicillium chrysogenum	Pen ch	E		≤ 0.1
Plant Food				
Legumes				
Peanut	Ara h 1	M	7/8S Globulin	≤ 0.1
Peanut	Ara h 2	M	2S Albumin	≤ 0.1
Peanut	Ara h 3	M	11S Globulin	≤ 0.1
Peanut	Ara h 6	M	2S Albumin	≤ 0.1
Peanut	Ara h 8	M	PR-10	5.56
Peanut	Ara h 9	M	nsLTP	≤ 0.1
Peanut	Ara h 15	M	Oleosin	≤ 0.1
Chickpea	Cic a	E		≤ 0.1
Soy	Gly m 4	M	PR-10	1.28
Soy	Gly m 5	M	7/8S Globulin	≤ 0.1
Soy	Gly m 6	M	11S Globulin	≤ 0.1
Soy	Gly m 8	M	2S Albumin	≤ 0.1
Lentil	Len c	E		≤ 0.1
White bean	Pha v	E		≤ 0.1
Pea	Pis s	E		≤ 0.1
Cereals				
Oat	Ave s	E		≤ 0.1
Quinoa	Che q	E		≤ 0.1
Common buckwheat	Fag e	E		≤ 0.1
Common buckwheat	Fag e 2	M	2S Albumin	≤ 0.1
Barley	Hor v	E		≤ 0.1
Lupine seed	Lup a	E		≤ 0.1
Rice	Ory s	E		≤ 0.1
Millet	Pan m	E		≤ 0.1
Cultivated rye	Sec c_flour	E		≤ 0.1
Wheat	Tri a aA_TI	M	Alpha-Amylase Trypsin-Inhibitor	≤ 0.1
Wheat	Tri a 14	M	nsLTP	≤ 0.1
Wheat	Tri a 19	M	Omega-5-Gliadin	≤ 0.1
Spelt	Tri s	E		≤ 0.1
Maize	Zea m	E		≤ 0.1
Maize	Zea m 14	M	nsLTP	≤ 0.1
Spices				
Paprika	Cap a	E		≤ 0.1
Caraway	Car c	E		≤ 0.1
Oregano	Ori v	E		≤ 0.1

Name	Allergen	E/M(*)	Function	kU _A /L
Parsley	Pet c	E		≤ 0.1
Anise	Pim a	E		≤ 0.1
Mustard	Sin	E		≤ 0.1
Mustard	Sin a 1	M	2S Albumin	≤ 0.1
Fruit				
Kiwi	Act d 1	M	Cysteine protease	≤ 0.1
Kiwi	Act d 2	M	TLP	≤ 0.1
Kiwi	Act d 5	M	Kiwellin	≤ 0.1
Kiwi	Act d 10	M	nsLTP	≤ 0.1
Papaya	Car p	E		≤ 0.1
Orange	Cit s	E		≤ 0.1
Melon	Cuc m 2	M	Profilin	≤ 0.1
Fig	Fic c	E		≤ 0.1
Strawberry	Fra a 1+3	M	PR-10+LTP	4.44
Apple	Mal d 1	M	PR-10	6.66
Apple	Mal d 2	M	TLP	≤ 0.1
Apple	Mal d 3	M	nsLTP	≤ 0.1
Mango	Man i	E		≤ 0.1
Banana	Mus a	E		≤ 0.1
Avocado	Pers a	E		≤ 0.1
Cherry	Pru av	E		≤ 0.1
Peach	Pru p 3	M	nsLTP	≤ 0.1
Pear	Pyr c	E		≤ 0.1
Blueberry	Vac m	E		≤ 0.1
Grapes	Vit v 1	M	nsLTP	≤ 0.1
Vegetables				
Onion	All c	E		≤ 0.1
Garlic	All s	E		≤ 0.1
Celery	Api g 1	M	PR-10	≤ 0.1
Celery	Api g 2	M	nsLTP	≤ 0.1
Celery	Api g 6	M	nsLTP	≤ 0.1
Carrot	Dau c	E		≤ 0.1
Carrot	Dau c 1	M	PR-10	≤ 0.1
Potato	Sol t	E		≤ 0.1
Tomato	Sola l	E		≤ 0.1
Tomato	Sola l 6	M	nsLTP	≤ 0.1
Nuts				
Cashew	Ana o	E		≤ 0.1
Cashew	Ana o 2	M	11S Globulin	≤ 0.1
Cashew	Ana o 3	M	2S Albumin	≤ 0.1
Brazil nut	Ber e	E		≤ 0.1
Brazil nut	Ber e 1	M	2S Albumin	≤ 0.1
Pecan	Car i	E		≤ 0.1
Hazelnut	Cor a 1.0401	M	PR-10	1.85
Hazelnut	Cor a 8	M	nsLTP	≤ 0.1
Hazelnut	Cor a 9	M	11S Globulin	≤ 0.1
Hazelnut	Cor a 11	M	7/8S Globulin	≤ 0.1

Name	Allergen	E/M(*)	Function	kU _A /L
Hazelnut	Cor a 14	M	2S Albumin	≤ 0.1
Walnut	Jug r 1	M	2S Albumin	≤ 0.1
Walnut	Jug r 2	M	7/8S Globulin	≤ 0.1
Walnut	Jug r 3	M	nsLTP	≤ 0.1
Walnut	Jug r 4	M	11S Globulin	≤ 0.1
Walnut	Jug r 6	M	7/8S Globulin	≤ 0.1
Macadamia	Mac i 2S Albumin	M	2S Albumin	≤ 0.1
Macadamia	Mac inte	E		≤ 0.1
Pistachio	Pis v 1	M	2S Albumin	≤ 0.1
Pistachio	Pis v 2	M	11S Globulin subunit	≤ 0.1
Pistachio	Pis v 3	M	7/8S Globulin	≤ 0.1
Almond	Pru du	E		≤ 0.1
Seed				
Pumpkin seed	Cuc p	E		≤ 0.1
Sunflower seed	Hel a	E		≤ 0.1
Poppy seed	Pap s	E		≤ 0.1
Poppy seed	Pap s 2S Albumin	M	2S Albumin	≤ 0.1
Sesame	Ses i	E		≤ 0.1
Sesame	Ses i 1	M	2S Albumin	≤ 0.1
Fenugreek seeds	Tri fo	E		≤ 0.1
Animal Food				
Milk				
Cow, milk	Bos d_milk	E		≤ 0.1
Cow, milk	Bos d 4	M	α-Lactalbumin	≤ 0.1
Cow, milk	Bos d 5	M	β-Lactoglobulin	≤ 0.1
Cow, milk	Bos d 8	M	Casein	≤ 0.1
Camel	Cam d	E		≤ 0.1
Goat, milk	Cap h_milk	E		≤ 0.1
Mare's milk	Equ c_milk	E		≤ 0.1
Sheep, milk	Ovi a_milk	E		≤ 0.1
Egg				
Egg white	Gal d_white	E		≤ 0.1
Egg yolk	Gal d_yolk	E		≤ 0.1
Egg white	Gal d 1	M	Ovomucoid	≤ 0.1
Egg white	Gal d 2	M	Ovalbumin	≤ 0.1
Egg white	Gal d 3	M	Ovotransferrin	≤ 0.1
Egg white	Gal d 4	M	Lysozym C	≤ 0.1
Egg yolk	Gal d 5	M	Serum Albumin	≤ 0.1
Seafood				
Herring worm	Ani s 1	M	Kunitz Serin Protease Inhibitor	≤ 0.1
Herring worm	Ani s 3	M	Tropomyosin	≤ 0.1
Crab	Chi spp.	E		≤ 0.1
Herring	Clu h	E		≤ 0.1
Herring	Clu h 1	M	β-Parvalbumin	≤ 0.1
Brown shrimp	Cra c 6	M	Troponin C	≤ 0.1
Carp	Cyp c 1	M	β-Parvalbumin	≤ 0.1

Name	Allergen	E/M(*)	Function	kU _A /L
Atlantic cod	Gad m	E		≤ 0.1
Atlantic cod	Gad m 2+3	M	β-Enolase & Aldolase	≤ 0.1
Atlantic cod	Gad m 1	M	β-Parvalbumin	0.11
Lobster	Hom g	E		≤ 0.1
Shrimp	Lit s	E		≤ 0.1
Squid	Lol spp.	E		≤ 0.1
Common mussel	Myt e	E		≤ 0.1
Oyster	Ost e	E		≤ 0.1
Shrimp	Pan b	E		≤ 0.1
Scallop	Pec spp.	E		≤ 0.1
Black Tiger Shrimp	Pen m 1	M	Tropomyosin	≤ 0.1
Black Tiger Shrimp	Pen m 2	M	Arginine kinase	≤ 0.1
Black Tiger Shrimp	Pen m 3	M	Myosin, light chain	≤ 0.1
Black Tiger Shrimp	Pen m 4	M	Sarcoplasmic Calcium Binding Protein	≤ 0.1
Thornback ray	Raj c	E		≤ 0.1
Thornback ray	Raj c Parvalbumin	M	α-Parvalbumin	≤ 0.1
Clam	Rud spp.	E		≤ 0.1
Salmon	Sal s	E		0.26
Salmon	Sal s 1	M	β-Parvalbumin	≤ 0.1
Atlantic mackerel	Sco s	E		≤ 0.1
Atlantic mackerel	Sco s 1	M	β-Parvalbumin	≤ 0.1
Tuna	Thu a	E		≤ 0.1
Tuna	Thu a 1	M	β-Parvalbumin	≤ 0.1
Swordfish	Xip g 1	M	β-Parvalbumin	≤ 0.1
Meat				
House cricket	Ach d	E		≤ 0.1
Cattle, meat	Bos d_meat	E		≤ 0.1
Cattle, meat	Bos d 6	M	Serum Albumin	≤ 0.1
Horse, meat	Equ c_meat	E		≤ 0.1
Chicken meat	Gal d_meat	E		≤ 0.1
Migratory locust	Loc m	E		≤ 0.1
Turkey	Mel g	E		≤ 0.1
Rabbit, meat	Ory_meat	E		≤ 0.1
Sheep, meat	Ovi a_meat	E		≤ 0.1
Pork	Sus d_meat	E		≤ 0.1
Pork	Sus d 1	M	Serum Albumin	≤ 0.1
Mealworm	Ten m	E		≤ 0.1
Insects & Venoms				
Fire ant poison				
Fire ant	Sol spp.	E		≤ 0.1
Honey Bee Venom				
Honey bee	Api m	E		≤ 0.1
Honey bee	Api m 1	M	Phospholipase A2	≤ 0.1
Honey bee	Api m 10	M	Icarapin Variant 2	≤ 0.1
Wasp Venom				
Hornet	Dol spp	E		≤ 0.1

Name	Allergen	E/M(*)	Function	kU _A /L
Paper wasp venom	Pol d	E		≤ 0.1
Paper wasp venom	Pol d 5	M	Antigen 5	≤ 0.1
Wasp venom	Ves v	E		≤ 0.1
Wasp venom	Ves v 1	M	Phospholipase A1	≤ 0.1
Wasp venom	Ves v 5	M	Antigen 5	≤ 0.1
Cockroach				
German Cockroach	Bla g 1	M	Cockroach Group 1	≤ 0.1
German Cockroach	Bla g 2	M	Aspartyl protease	≤ 0.1
German Cockroach	Bla g 4	M	Lipocalin	≤ 0.1
German Cockroach	Bla g 5	M	Glutathione S-transferase	≤ 0.1
German Cockroach	Bla g 9	M	Arginine kinase	≤ 0.1
American Cockroach	Per a	E		≤ 0.1
American Cockroach	Per a 7	M	Tropomyosin	≤ 0.1
Animal Origin				
Pet				
Dog	Can f_Fd1	M	Uteroglobin	≤ 0.1
Male dog urine (incl. Can f 5)	Can f_male urine	E		≤ 0.1
Dog	Can f 1	M	Lipocalin	≤ 0.1
Dog	Can f 2	M	Lipocalin	≤ 0.1
Dog	Can f 3	M	Serum Albumin	≤ 0.1
Dog	Can f 4	M	Lipocalin	≤ 0.1
Dog	Can f 6	M	Lipocalin	≤ 0.1
Guinea pig	Cav p 1	M	Lipocalin	≤ 0.1
Cat	Fel d 1	M	Uteroglobin	≤ 0.1
Cat	Fel d 2	M	Serum Albumin	≤ 0.1
Cat	Fel d 4	M	Lipocalin	≤ 0.1
Cat	Fel d 7	M	Lipocalin	≤ 0.1
House mouse	Mus m 1	M	Lipocalin	≤ 0.1
Rabbit, epithel	Ory c 1	M	Lipocalin	≤ 0.1
Rabbit, epithel	Ory c 2	M	Lipophilin	≤ 0.1
Rabbit, epithel	Ory c 3	M	Uteroglobin	≤ 0.1
Djungarian hamster	Phod s 1	M	Lipocalin	≤ 0.1
Rat	Rat n	E		≤ 0.1
Farm Animals				
Cattle	Bos d 2	M	Lipocalin	≤ 0.1
Goat, epithel	Cap h_epithelia	E		≤ 0.1
Horse, epithel	Equ c 1	M	Lipocalin	≤ 0.1
Horse, epithel	Equ c 3	M	Serum Albumin	≤ 0.1
Horse, epithel	Equ c 4	M	Latherin	≤ 0.1
Sheep, epithel	Ovi a_epithelia	E		≤ 0.1
Pig	Sus d_epithelia	E		≤ 0.1
Others				
Latex				
Latex	Hev b 1	M	Rubber elongation factor	≤ 0.1
Latex	Hev b 3	M	Small rubber particle protein	≤ 0.1

Name	Allergen	E/M(*)	Function	kU _A /L
Latex	Hev b 5	M	unknown	≤ 0.1
Latex	Hev b 6.02	M	Pro-Hevein	≤ 0.1
Latex	Hev b 8	M	Profilin	≤ 0.1
Latex	Hev b 11	M	Class 1 Chitinase	0.12
Ficus				
Weeping fig	Fic b	E		≤ 0.1
Ccd				
Hom s Lactoferrin	Hom s LF	M	CCD	≤ 0.1
Parasite				
Pigeon tick	Arg r 1	M	Lipocalin	≤ 0.1

Normal Total-IgE

Adults: < 20 kU/I Allergy unlikely, 20 - 100 kU/I Allergy possible, > 100 kU/I Allergy likely

PR-10

PR-10 allergens show a high degree of cross-reactivity.

PR-10 inhalative: The major birch pollen allergen, Bet v 1, represents the prototype of all PR-10 allergens and is the primary sensitizer in regions with birch pollen exposure. The presence of PR-10 allergens in Fagales tree pollen explains IgE cross-reactivity between pollen from hazel, alder, beech, oak and hornbeam. PR-10 nutritive: PR-10 allergens in raw fruits, nuts, vegetable and legumes can induce oral allergy syndrome and sometimes severe allergic reactions in sensitized individuals, if a high amount of the respective allergen is consumed. PR-10 allergens are not stable to processing.

Name	Allergen	E/M(*)	Function	kU _A /L
Alder	Aln g 1	M	PR-10	4.48
Apple	Mal d 1	M	PR-10	6.66
Beech	Fag s 1	M	PR-10	15.68
Hazel pollen	Cor a 1.0103	M	PR-10	14.2
Hazelnut	Cor a 1.0401	M	PR-10	1.85
Peanut	Ara h 8	M	PR-10	5.56
Silver birch	Bet v 1	M	PR-10	24.82
Soy	Gly m 4	M	PR-10	1.28