

Patient ID:		Referring Physician: Allergy Specialists
Patient Name:	Sample Person	
Date of Birth:	01/01/2020	
Sample ID:	001	
Barcode:	01AAA001	
Tested on:	01/11/2020	
Printed on:	20/11/2020	
Note: The internal QC (Plausibility check for GD) was within acceptance range.		Additional Information:

Lab report: Summary on detectable sensitisations

			Cross-reactive Allergen Families	
Pollen	Grass Pollen	0	Polcalcin	0
	Tree Pollen	2	Profilin	0
	Weed Pollen	0	PR-10	0
Mites	House Dust Mites & Storage Mites	3	Ole e 1 Family	0
Microorganisms	Fungal Spores & Yeast	0	LTPs	0
Plant-Based Food	Legumes	0	Storage Proteins	0
	Grain	0	Lipocalins	0
	Spices	0	NPC2	3
	Fruits	0	Serum albumin	0
	Vegetables	0	Parvalbumin	0
	Nuts & Seeds	0	Tropomyosin	0
Animal-Derived Food	Milk	0	CCD	0
	Egg	0	Uteroglobin	0
	Fish & Seafood	0	Arginine kinase	0
	Meat	0		
Insects & Venoms	Ant, Bee, Wasp	0	Total IgE (kU/L)	≤20
	Cockroach	0		
Epithelial Tissues of Animals	Pets	0		
	Animals	0		
Others	Latex	0		
	Ficus	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		≤ 0,10
Bermuda grass	Cyn d 1	M	Beta-Expansin	≤ 0,10
Perennial Ryegrass	Lol p 1	M	Beta-Expansin	≤ 0,10
Bahia grass	Pas n	E		≤ 0,10
Timothy grass	Phl p 1	M	Beta-Expansin	≤ 0,10
Timothy grass	Phl p 2	M	Expansin	≤ 0,10
Timothy grass	Phl p 5.0101	M	Gras Group 5/6	≤ 0,10
Timothy grass	Phl p 6	M	Gras Group 5/6	≤ 0,10
Timothy grass	Phl p 7	M	Polcalcin	≤ 0,10
Timothy grass	Phl p 12	M	Profilin	≤ 0,10
Common reed	Phr c	E		≤ 0,10
Cultivated rye, Pollen	Sec c_pollen	E		≤ 0,10
Tree Pollen				
Acacia	Aca m	E		≤ 0,10
Tree of Heaven	Ail a	E		≤ 0,10
Alder	Aln g 1	M	PR-10	≤ 0,10
Alder	Aln g 4	M	Polcalcin	≤ 0,10
Silver birch	Bet v 1	M	PR-10	≤ 0,10
Silver birch	Bet v 2	M	Profilin	≤ 0,10
Silver birch	Bet v 6	M	Isoflavon Reductase	≤ 0,10
Paper mulberry	Bro pa	E		≤ 0,10
Hazel pollen	Cor a_pollen	E		≤ 0,10
Hazel pollen	Cor a 1.0103	M	PR-10	≤ 0,10
Sugi	Cry j 1	M	Pectate Lyase	1,12
Cypress	Cup a 1	M	Pectate Lyase	4,45
Cypress	Cup s	E		0,13
Beech	Fag s 1	M	PR-10	≤ 0,10
Ash	Fra e	E		≤ 0,10
Ash	Fra e 1	M	Ole e 1-Family	≤ 0,10
Walnut pollen	Jug r_pollen	E		≤ 0,10
Mountain cedar	Jun a	E		≤ 0,10
Mulberry	Mor r	E		≤ 0,10
Olive	Ole e 1	M	Ole e 1-Family	≤ 0,10
Olive	Ole e 9	M	1,3 β Glucanase	≤ 0,10
Date palm	Pho d 2	M	Profilin	≤ 0,10
London plane tree	Pla a 1	M	Plant Invertase	≤ 0,10
London plane tree	Pla a 2	M	Polygalacturonase	≤ 0,10
London plane tree	Pla a 3	M	nsLTP	≤ 0,10
Cottonwood	Pop n	E		≤ 0,10
Elm	Ulm c	E		≤ 0,10
Weed Pollen				
Common Pigweed	Ama r	E		0,11
Ragweed	Amb a	E		≤ 0,10
Ragweed	Amb a 1	M	Pectate Lyase	≤ 0,10
Ragweed	Amb a 4	M	Plant Defensin	≤ 0,10

Name	Allergen	E/M(*)	Function	kU _A /L
Mugwort	Art v	E		≤ 0,10
Mugwort	Art v 1	M	Plant Defensin	≤ 0,10
Mugwort	Art v 3	M	nsLTP	≤ 0,10
Hemp	Can s	E		≤ 0,10
Hemp	Can s 3	M	nsLTP	≤ 0,10
Lamb's quarter	Che a	E		≤ 0,10
Lamb's quarter	Che a 1	M	Ole e 1-Family	≤ 0,10
Annual mercury	Mer a 1	M	Profilin	≤ 0,10
Wall pellitory	Par j	E		≤ 0,10
Wall pellitory	Par j 2	M	nsLTP	≤ 0,10
Ribwort	Pla l	E		≤ 0,10
Ribwort	Pla l 1	M	Ole e 1-Family	≤ 0,10
Russian thistle	Sal k	E		≤ 0,10
Russian thistle	Sal k 1	M	Pectin Methylesterase	≤ 0,10
Nettle	Urt d	E		0,22

Mites

House Dust Mite

American house dust mite	Der f 1	M	Cysteine protease	≤ 0,10
American house dust mite	Der f 2	M	NPC2 Family	5,91
European house dust mite	Der p 1	M	Cysteine protease	≤ 0,10
European house dust mite	Der p 2	M	NPC2 Family	6,05
European house dust mite	Der p 5	M	unknown	≤ 0,10
European house dust mite	Der p 7	M	Mites, Group 7	≤ 0,10
European house dust mite	Der p 10	M	Tropomyosin	≤ 0,10
European house dust mite	Der p 11	M	Myosin, heavy chain	≤ 0,10
European house dust mite	Der p 20	M	Arginine kinase	≤ 0,10
European house dust mite	Der p 21	M	unknown	≤ 0,10
European house dust mite	Der p 23	M	Peritrophin-like protein domain	≤ 0,10

Storage Mite

Acarus siro	Aca s	E		≤ 0,10
Blomia tropicalis	Blo t 5	M	Mites, Group 5	≤ 0,10
Blomia tropicalis	Blo t 10	M	Tropomyosin	≤ 0,10
Blomia tropicalis	Blo t 21	M	unknown	≤ 0,10
Glycyphagus domesticus	Gly d 2	M	NPC2 Family	≤ 0,10
Glycyphagus domesticus	Lep d 2	M	NPC2 Family	≤ 0,10
Tyrophagus putrescentiae	Tyr p	E		≤ 0,10
Tyrophagus putrescentiae	Tyr p 2	M	NPC2 Family	≤ 0,10

Microorganisms & Spores

Yeast

Malassezia sympodialis	Mala s 5	M	unknown	≤ 0,10
Malassezia sympodialis	Mala s 6	M	Cyclophilin	≤ 0,10
Malassezia sympodialis	Mala s 11	M	Mn Superoxid-Dismutase	≤ 0,10
Yeast	Sac c	E		≤ 0,10

Moulds

Alternaria alternata	Alt a 1	M	Alt a 1-Family	≤ 0,10
Alternaria alternata	Alt a 6	M	Enolase	≤ 0,10

Name	Allergen	E/M(*)	Function	kU _A /L
Aspergillus fumigatus	Asp f 1	M	Mitogillin Family	≤ 0,10
Aspergillus fumigatus	Asp f 3	M	Peroxisomal Protein	≤ 0,10
Aspergillus fumigatus	Asp f 4	M	unknown	≤ 0,10
Aspergillus fumigatus	Asp f 6	M	Mn Superoxid-Dismutase	≤ 0,10
Cladosporium herbarum	Cla h	E		≤ 0,10
Cladosporium herbarum	Cla h 8	M	Short Chain Dehydrogenase	≤ 0,10
Penicilium chrysogenum	Pen ch	E		≤ 0,10
Plant Food				
Legumes				
Peanut	Ara h 1	M	7/8S Globulin	≤ 0,10
Peanut	Ara h 2	M	2S Albumin	≤ 0,10
Peanut	Ara h 3	M	11S Globulin	≤ 0,10
Peanut	Ara h 6	M	2S Albumin	≤ 0,10
Peanut	Ara h 8	M	PR-10	≤ 0,10
Peanut	Ara h 9	M	nsLTP	≤ 0,10
Peanut	Ara h 15	M	Oleolin	≤ 0,10
Chickpea	Cic a	E		≤ 0,10
Soy	Gly m 4	M	PR-10	≤ 0,10
Soy	Gly m 5	M	7/8S Globulin	≤ 0,10
Soy	Gly m 6	M	11S Globulin	≤ 0,10
Soy	Gly m 8	M	2S Albumin	≤ 0,10
Lentil	Len c	E		≤ 0,10
White bean	Pha v	E		≤ 0,10
Pea	Pis s	E		≤ 0,10
Cereals				
Oat	Ave s	E		≤ 0,10
Quinoa	Che q	E		0,21
Common buckwheat	Fag e	E		≤ 0,10
Common buckwheat	Fag e 2	M	2S Albumin	≤ 0,10
Barley	Hor v	E		≤ 0,10
Lupine seed	Lup a	E		≤ 0,10
Rice	Ory s	E		≤ 0,10
Millet	Pan m	E		≤ 0,10
Cultivated rye	Sec c_flour	E		≤ 0,10
Wheat	Tri a aA_T1	M	Alpha-Amylase Trypsin-Inhibitor	≤ 0,10
Wheat	Tri a 14	M	nsLTP	≤ 0,10
Wheat	Tri a 19	M	Omega-5-Gliadin	≤ 0,10
Spelt	Tri s	E		≤ 0,10
Maize	Zea m	E		≤ 0,10
Maize	Zea m 14	M	nsLTP	0,13
Spices				
Paprika	Cap a	E		≤ 0,10
Caraway	Car c	E		≤ 0,10
Oregano	Ori v	E		≤ 0,10
Parsley	Pet c	E		≤ 0,10
Anise	Pim a	E		≤ 0,10
Mustard	Sin	E		≤ 0,10

Name	Allergen	E/M(*)	Function	kU _A /L
Mustard	Sin a 1	M	2S Albumin	≤ 0,10
Fruit				
Kiwi	Act d 1	M	Cysteine protease	≤ 0,10
Kiwi	Act d 2	M	TLP	≤ 0,10
Kiwi	Act d 5	M	Kiwelin	≤ 0,10
Kiwi	Act d 10	M	nsLTP	≤ 0,10
Papaya	Car p	E		≤ 0,10
Orange	Cit s	E		≤ 0,10
Melon	Cuc m 2	M	Profilin	≤ 0,10
Fig	Fic c	E		≤ 0,10
Strawberry	Fra a 1+3	M	PR-10+LTP	≤ 0,10
Apple	Mal d 1	M	PR-10	≤ 0,10
Apple	Mal d 2	M	TLP	≤ 0,10
Apple	Mal d 3	M	nsLTP	≤ 0,10
Mango	Man i	E		≤ 0,10
Banana	Mus a	E		≤ 0,10
Cherry	Pru av	E		≤ 0,10
Peach	Pru p 3	M	nsLTP	≤ 0,10
Pear	Pyr c	E		≤ 0,10
Blueberry	Vac m	E		≤ 0,10
Grapes	Vit v 1	M	nsLTP	≤ 0,10
Vegetables				
Onion	All c	E		≤ 0,10
Garlic	All s	E		≤ 0,10
Celery	Api g 1	M	PR-10	≤ 0,10
Celery	Api g 2	M	nsLTP	≤ 0,10
Celery	Api g 6	M	nsLTP	≤ 0,10
Carrot	Dau c	E		≤ 0,10
Carrot	Dau c 1	M	PR-10	≤ 0,10
Avocado	Pers a	E		≤ 0,10
Potato	Sol t	E		≤ 0,10
Tomato	Sola l	E		≤ 0,10
Tomato	Sola l 6	M	nsLTP	≤ 0,10
Nuts				
Cashew	Ana o	E		≤ 0,10
Cashew	Ana o 2	M	11S Globulin	≤ 0,10
Cashew	Ana o 3	M	2S Albumin	≤ 0,10
Brazil nut	Ber e	E		≤ 0,10
Brazil nut	Ber e 1	M	2S Albumin	≤ 0,10
Pecan	Car i	E		≤ 0,10
Hazelnut	Cor a 1.0401	M	PR-10	≤ 0,10
Hazelnut	Cor a 8	M	nsLTP	≤ 0,10
Hazelnut	Cor a 9	M	11S Globulin	≤ 0,10
Hazelnut	Cor a 11	M	7/8S Globulin	≤ 0,10
Hazelnut	Cor a 14	M	2S Albumin	≤ 0,10
Walnut	Jug r 1	M	2S Albumin	≤ 0,10
Walnut	Jug r 2	M	7/8S Globulin	≤ 0,10
Walnut	Jug r 3	M	nsLTP	≤ 0,10

Name	Allergen	E/M(*)	Function	kU _A /L
Walnut	Jug r 4	M	11S Globulin	≤ 0,10
Walnut	Jug r 6	M	7/8S Globulin	≤ 0,10
Macadamia	Mac i 2S Albumin	M	2S Albumin	≤ 0,10
Macadamia	Mac inte	E		≤ 0,10
Pistachio	Pis v 1	M	2S Albumin	≤ 0,10
Pistachio	Pis v 2	M	11S Globulin subunit	≤ 0,10
Pistachio	Pis v 3	M	7/8S Globulin	≤ 0,10
Almond	Pru du	E		≤ 0,10
Seed				
Pumpkin seed	Cuc p	E		≤ 0,10
Sunflower seed	Hel a	E		≤ 0,10
Poppy seed	Pap s	E		≤ 0,10
Poppy seed	Pap s 2S Albumin	M	2S Albumin	≤ 0,10
Sesame	Ses i	E		≤ 0,10
Sesame	Ses i 1	M	2S Albumin	≤ 0,10
Fenugreek seeds	Tri fo	E		≤ 0,10
Animal Food				
Milk				
Cow, milk	Bos d_milk	E		≤ 0,10
Cow, milk	Bos d 4	M	α-Lactalbumin	≤ 0,10
Cow, milk	Bos d 5	M	β-Lactoglobulin	≤ 0,10
Cow, milk	Bos d 8	M	Casein	≤ 0,10
Camel	Cam d	E		≤ 0,10
Goat, milk	Cap h_milk	E		≤ 0,10
Mare's milk	Equ c_milk	E		≤ 0,10
Sheep, milk	Ovi a_milk	E		≤ 0,10
Egg				
Egg white	Gal d_white	E		≤ 0,10
Egg yolk	Gal d_yolk	E		≤ 0,10
Egg white	Gal d 1	M	Ovomucoid	≤ 0,10
Egg white	Gal d 2	M	Ovalbumin	≤ 0,10
Egg white	Gal d 3	M	Ovotransferrin	≤ 0,10
Egg white	Gal d 4	M	Lysozym C	≤ 0,10
Egg yolk	Gal d 5	M	Serum Albumin	≤ 0,10
Seafood				
Herring worm	Ani s 1	M	Kunitz Serin Protease Inhibitor	≤ 0,10
Herring worm	Ani s 3	M	Tropomyosin	≤ 0,10
Crab	Chi spp.	E		≤ 0,10
Atlantic herring	Clu h	E		≤ 0,10
Atlantic herring	Clu h 1	M	β-Parvalbumin	≤ 0,10
Brown shrimp	Cra c 6	M	Troponin C	≤ 0,10
Carp	Cyp c 1	M	β-Parvalbumin	≤ 0,10
Atlantic cod	Gad m	E		≤ 0,10
Atlantic cod	Gad m 1	M	β-Parvalbumin	≤ 0,10
Atlantic cod	Gad m 2+3	M	β-Enolase&Aldolase	≤ 0,10
Lobster	Hom g	E		≤ 0,10

Name	Allergen	E/M(*)	Function	kU _A /L
Shrimp	Lit s	E		≤ 0,10
Squid	Lol spp.	E		≤ 0,10
Common mussel	Myt e	E		≤ 0,10
Oyster	Ost e	E		≤ 0,10
Shrimp	Pan b	E		≤ 0,10
Scallop	Pec spp.	E		≤ 0,10
Black Tiger Shrimp	Pen m 1	M	Tropomyosin	≤ 0,10
Black Tiger Shrimp	Pen m 2	M	Arginine kinase	≤ 0,10
Black Tiger Shrimp	Pen m 3	M	Myosin, light chain	≤ 0,10
Black Tiger Shrimp	Pen m 4	M	Sarcoplasmic Calcium Binding Protein	≤ 0,10
Thornback ray	Raj c	E		≤ 0,10
Thornback ray	Raj c parvalbumin	M	α-Parvalbumin	≤ 0,10
Clam	Rud spp.	E		≤ 0,10
Salmon	Sal s	E		≤ 0,10
Salmon	Sal s 1	M	β-Parvalbumin	≤ 0,10
Atlantic mackerel	Sco s	E		≤ 0,10
Atlantic mackerel	Sco s 1	M	β-Parvalbumin	≤ 0,10
Tuna	Thu a	E		≤ 0,10
Tuna	Thu a 1	M	β-Parvalbumin	≤ 0,10
Swordfish	Xip g 1	M	β-Parvalbumin	≤ 0,10
Meat				
House cricket	Ach d	E		≤ 0,10
Cattle, meat	Bos d_meat	E		≤ 0,10
Cattle, meat	Bos d 6	M	Serum Albumin	≤ 0,10
Horse, meat	Equ c_meat	E		≤ 0,10
Chicken meat	Gal d_meat	E		≤ 0,10
Migratory locust	Loc m	E		≤ 0,10
Turkey	Mel g	E		≤ 0,10
Rabbit, meat	Ory_meat	E		≤ 0,10
Sheep, meat	Ovi a_meat	E		≤ 0,10
Pork	Sus d_meat	E		≤ 0,10
Pork	Sus d 1	M	Serum Albumin	≤ 0,10
Mealworm	Ten m	E		≤ 0,10
Hymenoptera Venoms				
Fire ant poison				
Fire ant	Sol spp.	E		≤ 0,10
Honey Bee Venom				
Honey bee	Api m	E		≤ 0,10
Honey bee	Api m 1	M	Phospholipase A2	≤ 0,10
Honey bee	Api m 10	M	Icarapin Variant 2	≤ 0,10
Wasp Venom				
Hornet	Dol spp	E		≤ 0,10
Paper wasp venom	Pol d	E		≤ 0,10
Paper wasp venom	Pol d 5	M	Antigen 5	≤ 0,10
Wasp venom	Ves v	E		0,11
Wasp venom	Ves v 1	M	Phospholipase A1	≤ 0,10

Name	Allergen	E/M(*)	Function	kU _A /L
Wasp venom	Ves v 5	M	Antigen 5	≤ 0,10
Cockroach				
German Cockroach	Bla g 1	M	Cockroach Group 1	≤ 0,10
German Cockroach	Bla g 2	M	Aspartyl protease	≤ 0,10
German Cockroach	Bla g 4	M	Lipocalin	≤ 0,10
German Cockroach	Bla g 5	M	Glutathione S-transferase	≤ 0,10
German Cockroach	Bla g 9	M	Arginine kinase	≤ 0,10
American Cockroach	Per a	E		≤ 0,10
American Cockroach	Per a 7	M	Tropomyosin	≤ 0,10
Animal Origin				
Pet				
Dog	Can f_Fd1	M	Uteroglobin	≤ 0,10
Male dog urine (incl. Can f 5)	Can f_male urine	E		≤ 0,10
Dog	Can f 1	M	Lipocalin	≤ 0,10
Dog	Can f 2	M	Lipocalin	≤ 0,10
Dog	Can f 3	M	Serum Albumin	≤ 0,10
Dog	Can f 4	M	Lipocalin	≤ 0,10
Dog	Can f 6	M	Lipocalin	≤ 0,10
Guinea pig	Cav p 1	M	Lipocalin	≤ 0,10
Cat	Fel d 1	M	Uteroglobin	≤ 0,10
Cat	Fel d 2	M	Serum Albumin	≤ 0,10
Cat	Fel d 4	M	Lipocalin	≤ 0,10
Cat	Fel d 7	M	Lipocalin	≤ 0,10
House mouse	Mus m 1	M	Lipocalin	≤ 0,10
Rabbit, epithel	Ory c 1	M	Lipocalin	≤ 0,10
Rabbit, epithel	Ory c 2	M	Lipocalin	≤ 0,10
Rabbit, epithel	Ory c 3	M	Uteroglobin	≤ 0,10
Djungarian hamster	Phod s 1	M	Lipocalin	≤ 0,10
Rat	Rat n	E		≤ 0,10
Farm Animals				
Cattle	Bos d 2	M	Lipocalin	≤ 0,10
Goat, epithel	Cap h_epithelia	E		≤ 0,10
Horse, epithel	Equ c 1	M	Lipocalin	≤ 0,10
Horse, epithel	Equ c 3	M	Serum Albumin	≤ 0,10
Horse, epithel	Equ c 4	M	Latherin	≤ 0,10
Sheep, epithel	Ovi a_epithelia	E		≤ 0,10
Pig	Sus d_epithelia	E		≤ 0,10
Others				
Latex				
Latex	Hev b 1	M	Rubber elongation factor	≤ 0,10
Latex	Hev b 3	M	Small rubber particle protein	≤ 0,10
Latex	Hev b 5	M	unknown	≤ 0,10
Latex	Hev b 6.02	M	Pro-Hevein	≤ 0,10
Latex	Hev b 8	M	Profilin	≤ 0,10
Latex	Hev b 11	M	Class 1 Chitinase	≤ 0,10

Name	Allergen	E/M(*)	Function	kU _A /L
Ficus				
Weeping fig	Fic b	E		≤ 0,10
CCD				
Hom s Lactoferrin	Hom s LF	M	CCD	≤ 0,10
Parasite				
Pigeon tick	Arg r 1	M	Lipocalin	≤ 0,10
NA				
NA	tlgE			17,53

Normal Total-IgE

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

NPC2

NPC2 allergens show a limited degree of cross-reactivity.

Members of the NPC2 family are present in house dust- and storage mites. The cross-reactivity between Der f 2 and Der p 2 is quite extensive. NPC2 allergens from storage mites show only a limited degree of cross-reactivity to their pendants in house dust mites.

Name	Allergen	E/M(*)	Function	kU _A /L
American house dust mite	Der f 2	M	NPC2 Family	5,91
European house dust mite	Der p 2	M	NPC2 Family	6,05