

## Centri Associati di Allergologia Molecolare

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Patient: Green John

Birth date: 01/01/1900
Personal Identification Code: ITROMCAAM79180
Sample code: CAAMSER 68964

Lab code (ID Request): 12345 Sample date: 10/02/2020 Test date: 10/06/2020 Printing date: 10/06/2020

## Test: IgE Multiplex - FABER 244-122-122 07

Latin name	Common name	Tissue	Type°	Molecule name	Allergen	Value
Actinidia chinensis	Plants, Yangtao, Gold Kiwi, Kiwi	Fruit	E	///	Act c [Fruit]	0
Actinidia chinensis	Plants, Yangtao, Gold Kiwi, Kiwi	Fruit	М	Fagales-related, Group 1; Bet v 1-like; RRP	Act c 11	0
Actinidia chinensis	Plants, Yangtao, Gold Kiwi, Kiwi	Fruit	М	Chitinase	Act c Chitinase_IV	0
Actinidia deliciosa	Green Kiwi, Plants, Yangtao, Chinese Gooseberry, Kiwi	Fruit	E	///	Act d [Fruit]	0
Actinidia deliciosa	Green Kiwi, Plants, Yangtao, Chinese Gooseberry, Kiwi	Fruit	М	Cysteine Protease, Food	Act d 1	0
Actinidia deliciosa	Green Kiwi, Plants, Yangtao, Chinese Gooseberry, Kiwi	Fruit	М	LTP; 9k-LTP	Act d 10	0
Actinidia deliciosa	Green Kiwi, Plants, Yangtao, Chinese Gooseberry, Kiwi	Fruit	М	Thaumatin	Act d 2	0
Actinidia deliciosa	Green Kiwi, Plants, Yangtao, Chinese Gooseberry, Kiwi	Fruit	М	Kiwellin	Act d 5	0
Aedes communis	Animals, Mosquito, Insects, Biting Insects	Saliva	Е	///	Aed c	13.97
Allium cepa	Plants, Onion	Seed, Bulb	E	///	All c	0
Allium porrum	Plants, Leek	Leaf, Shoot	E	///	All p	0
Allium sativum	Plants, Garlic	Bulb	E	///	Alls	0
Alternaria alternata	Alternaria, Fungi, Molds	Whole Body	М	Alt a 1-related	Alt a 1	10.38
Alternaria alternata	Alternaria, Fungi, Molds	Whole Body	М	Enolase	Alt a 6.0101	0
Amaranthus cruentus	Plants, Red Amaranth, Prince's Feather, African-Spinach, Red Shank, Mexican Grain Amaranth, Purple Amaranth, Blood Amaranth	Seed	E	///	Ama cr	0
Ambrosia artemisiifolia	Plants, Short Ragweed, Mugwort/Ragweed-related Species	Pollen	Е	<i>III</i>	Amb a	5.31
Ambrosia artemisiifolia	Plants, Short Ragweed, Mugwort/Ragweed-related Species	Pollen	М	Amb a 1-like; Pectate Lyase	Amb a 1	7.36
Ananas comosus	Plants, Pineapple, Drugs	Fruit, Stem	М	CCD-bearing Protein (XF); Cysteine Protease, Food	Ana c 2	0
Anacardium occidentale	Plants, Cashew	Seed	Е	///	Ana o [Seed]	0
Anacardium occidentale	Plants, Cashew	Seed	М	2S Albumin	Ana o 3	0
Anas platyrhynchos	Animals, Duck, Birds	Egg	E	///	Ana p [Egg white]	0
Anas platyrhynchos	Animals, Duck, Birds	Egg	Е	///	Ana p [Egg yolk]	0
Anisakis pegreffii	Animals, Parasites, Worms, Anisakis	Larva	E	///	Ani pe	4.36
Anisakis simplex	Animals, Parasites, Worms, Anisakis	Whole Body	М	Serine protease inhibitor	Ani s 1	0
Anisakis simplex	Animals, Parasites, Worms, Anisakis	Muscle	M	Tropomyosin	Ani s 3	6.92
Apium graveolens	Plants, Celery, Celeriac	Stalk	Е		Api g [Stalk]	0
Apium graveolens	Plants, Celery, Celeriac	Leaf, Root	М	Fagales-related, Group 1; Bet v 1-like	Api g 1.0101	0
Apis mellifera	Animals, Insects, Honey Bee, Hymenoptera, European Honey Bee	Venom	Е	///	Api m [Venom]	0
Apis mellifera	Animals, Insects, Honey Bee, Hymenoptera, European Honey Bee	Venom	М	Phospholipase A2; CCD- bearing Protein (XF)	Api m 1	0
Apis mellifera	Animals, Insects, Honey Bee, Hymenoptera, European Honey Bee	Venom	М	Melittin	Api m 4	0
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	E (Preparation of	  the laboratory - IBBR-CNR, Italy	Ara h	0
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	М	7S Vicilin; CCD-bearing	Ara h 1-NT	0
асть пуродаса	. Idino, i culiut, Groundilut, Leguilles	Jecu	1*1	Protein (XF)	7 1 W 11 I I I I	J

° M: molecular allergen; E: allergen extract

Specific IgE values: Negative ≤ 0,01 FIU/ml; Doubtful > 0,01 / < 0,30 FIU/ml; Positive ≥ 0,30 FIU/ml

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Latin name	Common name	Tissue	Type°	Molecule name	Allergen	Value
			(F	Roasted - Industrial preparation)		
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	М	2S Albumin	Ara h 2	0
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	М	Trypsin Inhibitor; 11S Globulin	Ara h 3	0
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	М	2S Albumin	Ara h 6	0
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	М	Fagales-related, Group 1; Bet v 1-like	Ara h 8.0101	0
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	М	LTP; 9k-LTP	Ara h 9	0
Arachis hypogaea	Plants, Peanut, Groundnut, Legumes	Seed	М	Agglutinin; Lectin	Ara h Agglutinin	0
Armoracia rusticana	Plants, Horseradish	Leaf	М	CCD-bearing Protein (XF)	Arm r HRP	0
Artemisia vulgaris	Plants, Mugwort, Mugwort/Ragweed- related Species, English Mugwort	Pollen	E	///	Art v	3.21
Artemisia vulgaris	Plants, Mugwort, Mugwort/Ragweed- related Species, English Mugwort	Pollen	М	Art v 1-like; Defensin	Art v 1	0
Aspergillus fumigatus	Fungi, Aspergillus, Molds	Whole Body	E	///	Asp f	2.36
Aspergillus restrictus	Fungi, Aspergillus, Molds	Whole Body	М	Ribotoxin	Asp r 1	0.97
Asparagus officinalis	Plants, Asparagus	Stem	Е	///	Aspa o	0
Bertholletia excelsa	Plants, Brazil Nut	Seed	Е	///	Ber e	0
Betula verrucosa	Plants, Birch, Birch/Hazel/Oak-related Species, Silver Birch	Pollen	Е	///	Bet v [Pollen]	0
Betula verrucosa	Plants, Birch, Birch/Hazel/Oak-related Species, Silver Birch	Pollen	М	Fagales, Group 1; Bet v 1-like	Bet v 1.0101	0
Betula verrucosa	Plants, Birch, Birch/Hazel/Oak-related Species, Silver Birch	Pollen	М	Profilin	Bet v 2.0101	0
Beta vulgaris	Plants, Common Beet, Beetroot	Seed, Leaf	E	///	Beta v [Leaf]	0
Blattella germanica	Animals, Insects, German Cockroach, Cockroaches, Cockroaches and other Infestants, Cockroach	Whole Body	Е	///	Bla g	7.39
Blattella germanica	Animals, Insects, German Cockroach, Cockroaches, Cockroaches and other Infestants, Cockroach	Whole Body	М	Cockroaches, Group 1	Bla g 1	0
Blattella germanica	Animals, Insects, German Cockroach, Cockroaches, Cockroaches and other Infestants, Cockroach	Whole Body	М	Aspartic Protease	Bla g 2	0
Blattella germanica	Animals, Insects, German Cockroach, Cockroaches, Cockroaches and other Infestants, Cockroach	Whole Body	М	Calycin; Lipocalin	Bla g 4	0
Blattella germanica	Animals, Insects, German Cockroach, Cockroaches, Cockroaches and other Infestants, Cockroach	Whole Body	М	GST	Bla g 5	0
Blomia tropicalis	Mites, Animals, Arthropods, Blomia	Whole Body	Е		Blo t	5.48
Bos domesticus	Animals, Cow, Mammals, Beef, Cattle	Muscle	Е		Bos d [Meat]	0
os domesticus	Animals, Cow, Mammals, Beef, Cattle	Milk	E		Bos d [Milk]	0
		(Breed / Cult	tivar / Race /	Strain / - Swiss Braunvieh Cow)		
Bos domesticus	Animals, Cow, Mammals, Beef, Cattle	Milk	М	alpha-Lactalbumin	Bos d 4	0
Bos domesticus	Animals, Cow, Mammals, Beef, Cattle	Milk	М	beta-Lactoglobulin; Lipocalin	Bos d 5	0
os domesticus	Animals, Cow, Mammals, Beef, Cattle	Dandruff, Serum, Milk, Muscle	М	Serum Albumin	Bos d 6	0
os domesticus	Animals, Cow, Mammals, Beef, Cattle	Milk	М	Casein; alphaS1-Casein; alphaS2-Casein; beta-Casein; kappa-Casein	Bos d 8	0
Bos domesticus	Animals, Cow, Mammals, Beef, Cattle	Muscle	М	alpha-Gal Marker; Carbonic Anhydrase	Bos d CA	0
Bos domesticus	Animals, Cow, Mammals, Beef, Cattle, Drugs	Skin, Bone	М	Gelatin	Bos d Gelatin	0
Bos domesticus	Animals, Cow, Mammals, Beef, Cattle	Milk	М	Lactoferrin	Bos d LF	0
Bubalus bubalis	Animals, Mammals, Domestic Water Buffalo	Milk	Е	///	Bub b [Milk]	0

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Canis familiaris Animals, Mammals, Dog Saliva, I Canis familiaris Animals, Mammals, Dog Saliva, I Serum	Dandruff M  Dandruff M  Dandruff, M  ff, Urine M	/// Lipocalin Lipocalin Serum Albumin Arginine Esterase ///	Cam d [Milk]  Can f [Epithelium]  Can f 1  Can f 2  Can f 3  Can f 5  Cand a	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Canis familiarisAnimals, Mammals, DogSaliva, ICanis familiarisAnimals, Mammals, DogSaliva, ICanis familiarisAnimals, Mammals, DogSaliva, ISerumSerum	Dandruff M Dandruff M Dandruff, M  ff, Urine M Body E E M	Lipocalin Lipocalin Serum Albumin Arginine Esterase	Canf1 Canf2 Canf3 Canf5	0 0 0 0
Canis familiaris Animals, Mammals, Dog Saliva, I Canis familiaris Animals, Mammals, Dog Saliva, I Serum	Dandruff M  Dandruff, M  ff, Urine M  Body E  E  M	Lipocalin Serum Albumin Arginine Esterase	Canf2 Canf3	0 0
Canis familiaris Animals, Mammals, Dog Saliva, I Serum	Dandruff, M  ff, Urine M  Body E  E	Serum Albumin  Arginine Esterase	Canf3	0
Serum	ff, Urine M Body E E M	Arginine Esterase	Can f 5	0
	Body E E M	///		
Canis familiaris Animals, Mammals, Dog Dandruf	E M		Cand a	0
Candida albicans Fungi, Candida, Yeasts Whole B	М	///		U
Capra hircus Animals, Mammals, Goat Milk			Cap h [Milk]	0
Carica papaya Plants, Papaya Fruit	M	Cysteine Protease, Food	Cari p Papain	0
Carica papaya Plants, Papaya, Drugs Fruit		Cysteine Protease, Food	Cari p Chymopapain	0
Castanea sativa Plants, Chestnut, Birch/Hazel/Oak-related Species Seed, N	lut E	///	Cas s [Seed]	0
Cavia porcellus Animals, Mammals, Guinea Pig, Dandruf Rodents	ff, Urine E	///	Cav p [Epithelium]	0
Ceratonia siliqua Plants, Carob, St John's Bread Seed	E	///	Cer si [Seed]	0
Chenopodium quinoa Plants, Quinoa Seed	E	///	Che qu	0
Cicer arietinum Plants, Chickpea, Legumes Seed	E	///	Cic a	0
Citrus reticulata Plants, Tangerine, Mandarin Orange Fruit	E	///	Cit r [Fruit]	0
Cladosporium herbarum Fungi, Molds, Cladosporium Whole B	Body E	///	Cla h	0
Corylus avellana Plants, Hazel, Hazelnut, Pollen Birch/Hazel/Oak-related Species	Е	///	Cor a [Pollen]	0
Corylus avellana Plants, Hazel, Hazelnut, Seed, N Birch/Hazel/Oak-related Species	lut E	///	Cor a [Seed]	0
Corylus avellana Plants, Hazel, Hazelnut, Pollen Birch/Hazel/Oak-related Species	М	Fagales, Group 1; Bet v 1-like	Cor a 1.0103	0
Corylus avellana Plants, Hazel, Hazelnut, Seed Birch/Hazel/Oak-related Species	М	2S Albumin	Cor a 14	0
Corylus avellana Plants, Hazel, Hazelnut, Seed Birch/Hazel/Oak-related Species	М	LTP; 9k-LTP	Cor a 8	0
Corylus avellana Plants, Hazel, Hazelnut, Seed Birch/Hazel/Oak-related Species	М	11S Globulin	Cor a 9	0
Coturnix coturnix Animals, Common Quail, Birds Egg	E	///	Cot c [Egg white]	0
Coturnix coturnix Animals, Common Quail, Birds Egg	E	///	Cot c [Egg Yolk]	0
	Dandruff, E Urine, Hair	///	Cri c	0
Cryptomeria japonica Plants, Japanese Cedar, Sugi, Pollen Cedar/Cypress/Juniper-related Species	Е	///	Cry j	0
Cucumis melo Plants, Muskmelon, Cantaloupe Fruit	E	///	Cuc m [Pulp]	0
Cucumis sativus Plants, Cucumber Fruit	E	///	Cuc s	0
Cupressus arizonica Plants, Arizona Cypress, Pollen Cedar/Cypress/Juniper-related Species	М	Cupressaceae, Group 1; CCD- bearing Protein (XF); Pectate Lyase	Cup a 1	0
Daucus carota Plants, Carrot, Carrots Root	E	///	Dau c	0
Dermatophagoides farinae Mites, Animals, House Dust Mite, Whole B	Body M	Mites, Group 1; Cysteine Protease	Der f 1	8.53
Dermatophagoides farinae Mites, Animals, House Dust Mite, Arthropods Whole B	Body M	Mites, Group 2	Der f 2	16.67
Dermatophagoides Mites, Animals, House Dust Mite, Whole B pteronyssinus Arthropods	Body E	///	Der p	6.97
Dermatophagoides Mites, Animals, House Dust Mite, Whole B pteronyssinus Arthropods	Body M	Mites, Group 1; Cysteine Protease	Der p 1	4.53
Dermatophagoides Mites, Animals, House Dust Mite, Whole B pteronyssinus Arthropods	Body M	Tropomyosin; Mites, Group 10	Der p 10	15.49
Dermatophagoides Mites, Animals, House Dust Mite, Whole B pteronyssinus Arthropods	Body M	Mites, Group 2	Der p 2	14.37

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Latin name	Common name	Tissue	Type°	Molecule name	Allergen	Value
Dermatophagoides eteronyssinus	Mites, Animals, House Dust Mite, Arthropods	Whole Body	М	Mites, Group 23	Der p 23.0101	57.91
Dermatophagoides oteronyssinus	Mites, Animals, House Dust Mite, Arthropods	Whole Body	М	Mites, Group 7	Der p 7	7.86
Dermatophagoides oteronyssinus	Mites, Animals, House Dust Mite, Arthropods	Whole Body	М	Mites, Group 9; Serine protease	Der p 9	13.21
Engraulis encrasicolus	Animals, Fishes, Anchovy	Muscle	Е		Eng e	4.51
quus asinus	Animals, Mammals, Donkey, Ass	Milk	Е	///	Equ as [Milk]	0
quus caballus	Animals, Mammals, Horse, Mare	Skin	Е	///	Equ c [Epithelium]	0
quus caballus	Animals, Mammals, Horse, Mare	Milk	Е	///	Equ c [Milk]	0
equus caballus	Animals, Mammals, Horse, Mare	Serum, Milk, Muscle, Skin	М	Serum Albumin	Equ c 3	0
quus caballus	Animals, Mammals, Horse, Mare	Muscle	М	Myoglobin	Equ c Myoglobin	0
Euroglyphus maynei	Mites, Animals, House Dust Mite, Arthropods, Euroglyphus	Whole Body	М	Mites, Group 2	Eur m 2	9.23
agopyrum esculentum	Plants, Buckwheat	Seed	Е	///	Fag e	0
elis domesticus	Animals, Mammals, Cat	Saliva	Е	///	Fel d	0
elis domesticus	Animals, Mammals, Cat	Saliva	М	Fel d 1-related	Fel d 1	0
elis domesticus	Animals, Mammals, Cat	Dandruff, Serum, Urine	М	Serum Albumin	Fel d 2	0
oeniculum vulgare	Plants, Fennel	Bulb	Е	///	Foe v [Bulb]	0
ragaria ananassa	Plants, Strawberry	Fruit	Е	///	Fra a [Fruit]	0
adus morhua	Animals, Fishes, Atlantic Cod	Muscle	Е	///	Gad m [Meat]	3.29
allus domesticus	Animals, Hen, Chicken, Birds	Egg	Е	///	Gal d [Egg white]	0
iallus domesticus	Animals, Hen, Chicken, Birds	Egg	Е	///	Gal d [Egg yolk]	0
allus domesticus	Animals, Hen, Chicken, Birds	Muscle	Е	///	Gal d [Meat]	0
allus domesticus	Animals, Hen, Chicken, Birds	Egg	М	Ovomucoid; Trypsin Inhibitor	Gal d 1	0
Gallus domesticus	Animals, Hen, Chicken, Birds	Egg	М	Ovalbumin	Gal d 2	0
Gallus domesticus	Animals, Hen, Chicken, Birds	Egg	М	Ovotransferrin	Gal d 3	0
Gallus domesticus	Animals, Hen, Chicken, Birds	Egg	М	Lysozyme	Gal d 4	0
Gallus domesticus	Animals, Hen, Chicken, Birds	Serum, Egg	М	Serum Albumin; Livetin	Gal d 5	0
Glycine max	Plants, Soy, Soyabean, Legumes	Seed	Е	///	Gly m	0
ilycine max	Plants, Soy, Soyabean, Legumes	Seed	М	Hydrophobic Seed Protein	Gly m 1	0
ilycine max	Plants, Soy, Soyabean, Legumes	Seed	М	Agglutinin; Lectin	Gly m Agglutinin	0
lycine max	Plants, Soy, Soyabean, Legumes	Seed	М	Trypsin Inhibitor	Gly m Tl	0
delix aspersa	Animals, Mollusks, Snails, Brown Garden Snail	Muscle	Е	///	Hel as	0
lelix aspersa	Animals, Mollusks, Snails, Brown Garden Snail	Muscle	М	Tropomyosin	Hel as 1	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	Е	///	Hev b	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	М	Elongation Factor	Hev b 1	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	М	SOD; Fe/Mn-SOD	Hev b 10	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	М	Hevein-like; Chitinase	Hev b 11	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	М	Small Rubber Particle Protein	Hev b 3.0101	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	М	Hev b 5-like	Hev b 5.0101	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	М	Hevein-like	Hev b 6.02	0
Cupressus sempervirens	Plants, Mediterranean Cypress, Cedar/Cypress/Juniper-related Species	Pollen	М	Gibberellin-regulated Protein; GRP-Like	Cup s 7	0
levea brasiliensis	Plants, Latex, Rubber Tree	Latex	М	Profilin	Hev b 8	0
lomarus americanus	Animals, Crustaceans, American Lobster	Muscle	Е	///	Hom a	19.76
lomo sapiens	Animals, Mammals, Humans	Serum	М	Serum Albumin	Hom s HSA	0
Homo sapiens	Animals, Mammals, Humans	Milk	М	Lactoferrin; CCD-bearing Protein (XF)	Hom s LF	0

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Latin name	Common name	Tissue	Type°	Molecule name	Allergen	Value
Hordeum vulgare	Plants, Grasses, Barley	Seed	E	///	Hor v [Seed]	0
Juglans regia	Plants, Walnut	Seed, Nut	Е	///	Jug r [Seed]	0
luglans regia	Plants, Walnut	Seed	М	7S Vicilin; CCD-bearing Protein (XF)	Jug r 2	0
Juglans regia	Plants, Walnut	Seed	М	LTP; 9k-LTP	Jug r 3	0
Lactuca sativa	Plants, Garden Lettuce, Mugwort/Ragweed-related Species, Lettuce	Leaf	E	///	Lac s	0
Lens culinaris	Plants, Lentil, Legumes	Seed	E	///	Len c	0
Linum usitatissimum	Plants, Flax, Linseed	Seed	E	///	Lin us	0
Litopenaeus vannamei	Animals, Crustaceans, Whiteleg Shrimp, European White Shrimp, Pacific White Shrimp	Whole Body	E	///	Lit v [Whole body]	17.86
Litopenaeus vannamei	Animals, Crustaceans, Whiteleg Shrimp, European White Shrimp, Pacific White Shrimp	Muscle	М	Tropomyosin	Lit v 1	29.18
Lolium perenne	Plants, Grasses, Rye grass	Pollen	E	///	Lol p [Pollen]	45.13
Lolium perenne	Plants, Grasses, Rye grass	Pollen	М	Grasses, Group 1; CCD- bearing Protein (XF); Expansin	Lol p 1	0
Lupinus albus	Plants, White Lupine, Legumes	Seed	E	///	Lup a [Seed]	0
Malus domestica	Plants, Apple	Fruit	E	///	Mal d [Fruit]	0
Malus domestica	Plants, Apple	Fruit	М	Fagales-related, Group 1; Bet v 1-like	Mal d 1.0108	0
Meleagris gallopavo	Animals, Common Turkey, Birds	Egg	E	///	Mel g [Egg white]	0
Meleagris gallopavo	Animals, Common Turkey, Birds	Egg	Е	///	Mel g [Egg yolk]	0
Meleagris gallopavo	Animals, Common Turkey, Birds	Muscle	E	///	Mel g [Meat]	0
Mercurialis annua	Plants, Annual Mercury	Pollen	М	Profilin	Mer a 1	0
Merluccius merluccius	Animals, Fishes, European Hake, Densack, Seapike, Atlantic Hake	Muscle	М	Parvalbumin	Mer mr 1	4.35
Mus musculus	Animals, Mammals, Mouse, Rodents	Dandruff	E	///	Mus m [Epithelium]	0
Mus musculus	Animals, Mammals, Mouse, Rodents	Urine	М	Lipocalin	Mus m 1	0
Mus musculus	Animals, Mammals, Mouse, Rodents	Serum, Urine	М	Serum Albumin	Mus m 4	0
Mytilus galloprovincialis	Animals, Mollusks, Mediterranean Mussel, Black Mussel	Muscle	E	///	Myt g	13.24
Octopus vulgaris	Animals, Mollusks, Octopus, Common Octopus	Muscle	E	///	Oct v	9.87
Olea europaea	Plants, Olive Tree, Olive-related Species	Pollen	E	///	Ole e [Pollen]	0
Olea europaea	Plants, Olive Tree, Olive-related Species	Pollen	М	Oleaceae, Group 1; CCD- bearing Protein (XF); Ole e 1-like	Ole e 1	0
Olea europaea	Plants, Olive Tree, Olive-related Species	Pollen	М	Profilin	Ole e 2	0
Oryctolagus cuniculus	Animals, Mammals, Rabbit	Dandruff	Е	///	Ory c [Epithelium]	0
Oryctolagus cuniculus	Animals, Mammals, Rabbit	Muscle	E	///	Ory c [Meat]	0
Oryctolagus cuniculus	Animals, Mammals, Rabbit	Serum, Urine	М	Serum Albumin	Ory c 6	0
Oryza sativa	Plants, Grasses, Rice	Seed	E	///	Ory s [Seed]	0
		(Pre	paration of t	the laboratory - IBBR-CNR, Italy)		
Ovis aries	Animals, Mammals, Sheep, Ewe	Muscle	E	III	Ovi a [Meat]	0
Ovis aries	Animals, Mammals, Sheep, Ewe	Milk	E		Ovi a [Milk]	0
Ovis aries	Animals, Mammals, Sheep, Ewe	Serum, Urine, Milk, Muscle	М	Serum Albumin	Ovi a 6	0
Parietaria judaica	Plants, Pellitory, Parietaria	Pollen	E	///	Par j	0
Parietaria judaica	Plants, Pellitory, Parietaria	Pollen	М	LTP; 11k-LTP	Par j 2	0

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Latin name	Common name	Tissue	Type°	Molecule name	Allergen	Value
Periplaneta americana	Animals, Insects, Cockroaches, American Cockroach, Cockroaches and other Infestants, English American Cockroach	Whole Body	E	<i>III</i>	Per a	2.31
Periplaneta americana	Animals, Insects, Cockroaches, American Cockroach, Cockroaches and other Infestants, English American Cockroach	Muscle	М	Tropomyosin	Per a 7	14.32
Persea americana	Plants, Avocado	Fruit	E	///	Pers a	0
Phaseolus vulgaris	Plants, Kidney Bean, French Bean, String Bean, Legumes, Bean	Seed	E	///	Pha v [Seed]	0
Phleum pratense	Plants, Grasses, Timothy Grass	Pollen	E	///	PhI p	39.65
Phleum pratense	Plants, Grasses, Timothy Grass	Pollen	М	Grasses, Group 1; Expansin	Phl p 1.0102	0
Phleum pratense	Plants, Grasses, Timothy Grass	Pollen	М	Grasses, Group 2	Phl p 2.0101	0
Phleum pratense	Plants, Grasses, Timothy Grass	Pollen	М	Grasses, Group 5	Phl p 5.0101	59.58
Phleum pratense	Plants, Grasses, Timothy Grass	Pollen	М	Grasses, Group 6	Phl p 6.0101	0
Phleum pratense	Plants, Grasses, Timothy Grass	Pollen	М	Polcalcin	Phl p 7.0101	0
Pinus pinea	Plants, Pine, Pignolia-Nut Pine, Stone Pine, Pine Nut	Seed	E	///	Pin p [Seed]	0
Pisum sativum	Plants, Peas, Legumes	Seed	М	LTP; 9k-LTP	Pis s 3	0
Pistacia vera	Plants, Pistachio	Seed	E	///	Pis v [Seed]	0
Platanus acerifolia	Plants, American Sycamore, London Plane Tree	Pollen	E	///	Pla a	0
Platanus acerifolia	Plants, American Sycamore, London Plane Tree	Pollen	М	Invertase Inhibitor	Pla a 1	0
Pleurotus ostreatus	Fungi, Mushrooms, Oyster Mushroom, White-rot Fungus	Whole Body	E	///	Ple o [Sporocarp]	0
Polistes spp	Animals, Insects, Paper Wasp, Hymenoptera	Venom	Е	///	Pol spp	0
Prunus armeniaca	Plants, Apricot	Fruit	Е	///	Pru ar [Fruit]	0
Prunus dulcis	Plants, Almond, Almond Tree	Seed	Е	///	Pru du [Seed]	0
Prunus persica	Plants, Peach, Nectarine	Fruit	Е	///	Pru p [Peel]	0
Prunus persica	Plants, Peach, Nectarine	Fruit	E		Pru p [Pulp]	0
Prunus persica	Plants, Peach, Nectarine	Fruit	М	LTP; 9k-LTP	Pru p 3	0
Prunus persica	Plants, Peach, Nectarine	Fruit	М	Gibberellin-regulated Protein; GRP-Like	Pru p 7	0
Punica granatum	Plants, Pomegranate	Fruit	E	///	Pun g	0
Punica granatum	Plants, Pomegranate	Fruit	М	LTP; 9k-LTP	Pun g 1	0
Punica granatum	Plants, Pomegranate	Fruit	М	Chitinase	Pun g 14	0
Punica granatum	Plants, Pomegranate	Fruit	М	Hevein-like; Win-like Protein	Pun g 5	0
Punica granatum	Plants, Pomegranate	Fruit	М	Gibberellin-regulated Protein; GRP-Like	Pun g 7	0
Quercus alba	Plants, Oak, White Oak, English Oak, Birch/Hazel/Oak-related Species	Pollen	Е	///	Que a [Pollen]	0
Rattus norvegicus	Animals, Mammals, Rat, Rodents	Dandruff	Е	///	Rat n [Epithelium]	0
Rattus norvegicus	Animals, Mammals, Rat, Rodents	Urine	М	Lipocalin	Rat n 1	0
Rattus norvegicus	Animals, Mammals, Rat, Rodents	Serum, Urine	М	Serum Albumin	Rat n 4	0
Saccharomyces cerevisiae	Fungi, Baker's Yeast, Yeasts	Whole Body	Е	///	Sac c	0
Salmo salar	Animals, Fishes, Atlantic Salmon	Muscle	E		Sal s [Meat]	3.26
Sesamum indicum	Plants, Sesame, Oriental Sesame	Seed	Е		Ses i	0
Sinapis alba	Plants, Turnip, White Mustard, Bird Rape	Seed	E	///	Sin a [Seed]	0
Solea solea	Animals, Fishes, Common Sole	Muscle	Е		Sol so	5.43
Solanaceae, Solanum	Plants, Tomato	Fruit	E		Sola I [Fruit]	0

<sup>°</sup> M: molecular allergen; E: allergen extract

Specific IgE values: Negative ≤ 0,01 FIU/ml; Doubtful > 0,01 / < 0,30 FIU/ml; Positive ≥ 0,30 FIU/ml

Lab code (ID Request): 12345 Sample date: 10/02/2020 Test date: 10/06/2020 Printing date: 10/06/2020

Latin name	Common name	Tissue	Type°	Molecule name	Allergen	Value
Solanaceae, Solanum lycopersicum	Plants, Tomato	Seed	Е	///	Sola I [Seed]	0
Solanaceae, Solanum Ycopersicum	Plants, Tomato	Fruit, Seed	M	LTP; 7k-LTP	Sola I 6	0
Solanaceae, Solanum melongena	Plants, Eggplant, Aubergine, Brinjal, Melongene, Guinea Squash	Fruit	E	///	Sola m	0
Solanaceae, Solanum Luberosum	Plants, Potato	Tuber	E	///	Sola t	0
Solanaceae, Solanum Suberosum	Plants, Potato	Tuber	M	Patatin; CCD-bearing Protein (XF)	Sola t 1	0
Spinacia oleracea	Plants, Spinach	Leaf	Е	///	Spi o	0
Sus scrofa domestica	Animals, Mammals, Pig, Domestic Pig, Sow, Pork	Muscle	E	///	Sus s [Meat]	0
Sus scrofa domestica	Animals, Mammals, Pig, Domestic Pig, Sow, Pork	Serum, Urine, Milk	М	Serum Albumin	Sus s 1	0
Thunnus albacares	Animals, Fishes, Yellowfin Tuna	Muscle	E	///	Thu a [Meat]	0.97
Triticum aestivum	Plants, Grasses, Wheat	Seed	E	///	Tri a [Seed]	0
		(Pre	paration of	the laboratory - IBBR-CNR, Italy)		
Triticum aestivum	Plants, Grasses, Wheat	Seed	М	LTP; 7k-LTP	Tri a 7k-LTP	0
Triticum aestivum	Plants, Grasses, Wheat	Seed	М	Hevein-like; Agglutinin; Lectin	Tri a 18	0
Triticum aestivum	Plants, Grasses, Wheat	Seed	М	alpha-Amylase Inhibitor	Tri a 28	0
Triticum aestivum	Plants, Grasses, Wheat	Seed	M	Gliadin; omega-Gliadin; gamma-Gliadin	Tri a Gliadin	0
Trichophyton mentagrophytes	Fungi, Molds, Trichophyton	Whole Body	E	///	Tri me	0
Triticum polonicum	Plants, Grasses, Polish Wheat, Kamut, Khorasan Wheat	Seed	E	///	Tri tp	0
Uroteuthis duvauceli	Animals, Mollusks, Indian Squid, Calamari	Muscle	E	///	Uro du	18.37
Uroteuthis duvauceli	Animals, Mollusks, Indian Squid, Calamari	Muscle	М	Tropomyosin	Uro du 1	25.12
Venus gallina	Animals, Mollusks, Clam	Muscle	Е		Ven ga	13.29
Venus gallina	Animals, Mollusks, Clam	Muscle	М	Tropomyosin	Ven ga 1	14.30
Vespula spp	Animals, Insects, Wasp, Hymenoptera	Venom	Е	///	Ves spp	0
Vitis vinifera	Plants, Grape	Fruit	Е	///	Vit v [Fruit]	0
Zea mays	Plants, Grasses, Corn, Maize	Seed	Е	///	Zea m [Seed]	0
		(Pre	paration of	the laboratory - IBBR-CNR, Italy)		
Zea mays	Plants, Grasses, Corn, Maize	Seed	М	LTP; 9k-LTP	Zea m 14	0

<sup>°</sup> M: molecular allergen; E: allergen extract

Lab code (ID Request): **12345**Sample date: 10/02/2020
Test date: 10/06/2020
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## **Comments**

A specific IgE sensitization has been detected to some allergenic molecule or extract preparations, as indicated above. The negativity of the remaining IgE allergenic preparations must still be subject to evaluation by the referring doctor.

Aed c: The positive test for mosquito, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Alt a 1-related: Specific allergen marker of Alternaria, a mold predominantly present in the outdoor environment. The spores that contain the allergen are dispersed almost all year long, but increase a lot in the summertime. It can cause symptoms by inhalation, as rhinitis, conjunctivitis, asthma.

Amb a: The positive test for ragweed, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Amb a 1-like: Specific allergen marker of allergy to ragweed pollen; Inhalation can cause symptoms such as rhinitis, conjunctivitis, asthma often severe in the summer/fall period.

Ani pe: The positive test for the Mediterranean Anisakis, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Art v: The positive test for mugwort, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Asp f: The positive test for aspergillus, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Bla g: The positive test for cockroach, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Blo t: The positive test for tropical blomia, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Cysteine Protease: Group of allergens in mainly present in dust mites and fungi (mold); the positivity for one of these allergens may be associated with that of the other molecules of the same group, but there is much variability of the IgE response between different subjects; it causes symptoms by inhalation as rhinitis and asthma, often severe.

Der p: The positive test for house dust mite, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Eng e: The positive test for anchovy, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Gad m [Meat]: The positive test for cod, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Grasses, Group 5: Specific allergen markers of allergy to grass pollen; Inhalation can cause symptoms such as rhinitis, conjunctivitis, asthma in the springtime. Symptoms may be more severe if allergic to other specific markers of the same pollen.

Hom a: The positive test for lobster, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

° M: molecular allergen; E: allergen extract

Specific IgE values: Negative ≤ 0,01 FIU/ml; Doubtful > 0,01 / < 0,30 FIU/ml; Positive ≥ 0,30 FIU/ml

Dr. Adriano Mari (Coordinator) - Dr.ssa Claudia Alessandri (Pediatric Allergy)

Dr.ssa Maria Livia Bernardi - Dr.ssa Rosetta Ferrara - Dr.ssa Danila Zennaro

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Lit v [Whole body]: The positive test for shrimp, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Lol p [Pollen]: The positive test for rye grass, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Mites, Group 1: Specific allergen marker of allergy to house dust mites; Inhalation can cause symptoms such as rhinitis or asthma, even severe, potentially throughout the year. Symptoms may be more severe if you are allergic to other specific markers of the mites.

Mites, Group 10: Group of allergens belonging to the family of tropomyosin. Inhalation can cause symptoms such as rhinitis.

Mites, Group 2: Specific allergen marker of allergy to house dust mites; Inhalation can cause symptoms such as rhinitis or asthma, potentially throughout the year. Symptoms may be more severe if you are allergic to other specific markers of the mites.

This protein is heat resistant and may be involved in the reactions due to ingestion of mite contaminated flour.

Mites, Group 23: Specific allergen marker of allergy to house dust mites; Inhalation can cause symptoms such as rhinitis or asthma, potentially throughout the year. Symptoms can be more severe if allergic to other specific markers of the mites.

Mites, Group 7: Specific allergen marker of allergy to mites; Inhalation can cause symptoms such as rhinitis or asthma, potentially throughout the year. Symptoms can be more severe if allergic to other specific markers of the mites.

Mites, Group 9: Specific allergen marker of allergy to mites; Inhalation can cause symptoms such as rhinitis or asthma, potentially throughout the year. Symptoms can be more severe if allergic to other specific markers of the mites.

Proteins of the same group are in sensitizers from many other allergenic sources.

Myt g: The positive test for black mussels, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Oct v: The positive test for octopus, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Parvalbumin: Specific allergen marker of allergy to fish, present in all fishes, but also in amphibians (frogs) and reptiles; It can cause symptoms both by ingestion, in the bowel, but also in the skin (urticaria and eczema), and can cause severe generalized reactions up to anaphylaxis. This allergen is resistant to cooking.

Pectate Lyase: Group of proteins with wide distribution in different allergenic sources, mainly in pollen. IgE positivity is however often restricted to molecules of species belonging to the same family (e.g. Cupressaceae or Asteraceae). They cause symptoms by inhalation as rhinitis and conjunctivitis. Asthma, sometimes severe, might be triggered by some pollen containing this allergen.

Per a: The positive test for cockroach, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Phl p: The positive test for timothy grass, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Ribotoxin: Specific allergen for allergy to Aspergillus, a mould present outdoor and indoor; It can cause severe respiratory symptoms (asthma) all year long.

Sal s [Meat]: The positive test for salmon, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Sol so: The positive test for sole fish, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

° M: molecular allergen; E: allergen extract

Specific IgE values: Negative ≤ 0,01 FIU/ml; Doubtful > 0,01 / < 0,30 FIU/ml; Positive ≥ 0,30 FIU/ml

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Thu a [Meat]: The positive test for thuna, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Tropomyosin: Group of arthropod muscle proteins; They are present in crustaceans, sea and soil mollusks, insects and mites; depending on the route of exposure, the positivity for one of these allergens is rarely associated with mild symptoms by ingestion (itching of the mouth), intestinal, or cutaneous generalized ones; frequently it causes severe anaphylactic reactions; inhalation of this allergen can cause respiratory symptoms like rhinitis and asthma. This allergen is resistant to cooking.

Uro du: The positive test for squid, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

Ven ga: The positive test for clam, evaluated using a protein extract (mixture), it must be interpreted in relation to its allergenic molecules and to the similar ones contained in related extracts.

A positive result for this extract can also be due to a known allergenic protein not yet available in the tests or not identified yet.

The information and comments are reported as an aid in the interpretation of the test and do not constitute and replace in any way a final clinical diagnosis. For a more complete diagnostic evaluation and the following therapy you should contact your reference doctor.

The latest update of the comments was made on July 10, 2019. Comments are generated and updated constantly by CAAM molecular allergists (www.caam-allergy.com) based on the analysis of their data obtained with the tests and those reported in the scientific literature.

The updating date of the information from www.allergome.org is shown in the website's home page.

In case of positive tests there are active links to both 'Allergen' or 'Molecule Name'. These links are used only by the electronic copy in pdf. The links search the database Allergome and they are only intended to provide additional information on the allergen or group of allergens. This information must always be evaluated with the referring physician.

For a copy of the report in pdf format you may contact caam.laboratorio@caam-allergy.com entering your personal identification code.

The test report which you received is available in Chinese, Croatian, English, French, German, Greek, Italian, Polish, Portuguese, Romanian, and Spanish. The comment translation is currently available in the Chinese, Croatian, English, French, German, Greek, Italian, Polish, Portuguese, Romanian, and Spanish versions of the report.

CAAM Digital Reporting System (CDRS): after your registration in the CAAM web site Reserved Area you may access this test and visualize its results in a dynamic way, with comments always up-to-date. Please visit https://www.caam-allergy.com/en/cdrs and try the DEMO version of the CDRS. Afterwards you may register to the CDRS and visualize your test. The CDRS is available in Chinese, Croatian, English, French, German, Greek, Italian, Polish, Portuguese, Romanian, and Spanish.

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