



Adalet Mah. Manas Bulvarı No:47/B
 Folkart Towers A Kule K:26 D:2601
 PK:35530 Bayraklı / İZMİR
 Tel : +90 232 332 04 82
 Fax: +90 232 332 04 90
 e-mail: info@fortebiyoteknoloji.com
 www.fortebiyoteknoloji.com

MULTIPLEX MOLECULAR ALLERGY TEST LIST

GRASS POLLEN

Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Rye, grass	Lolium perenne L.	Lol p 1	β-expansin	M	g100
Rye, pollen	Secale cereale	Sec c_pollen		E	g12
Timothy grass	Phleum pratense	Phl p		E	g6
Timothy grass	Phleum pratense	Phl p 1	β-expansin	M	g205
Timothy grass	Phleum pratense	Phl p 2	Expansin	M	g206
Timothy grass	Phleum pratense	Phl p 5 0101	Grass group 5/6	M	g215
Timothy grass	Phleum pratense	Phl p 6	Grass group 5/6	M	g209
Timothy grass	Phleum pratense	Phl p 7	Polcalcin	M	g210
Timothy grass	Phleum pratense	Phl p 11	Serpin / protease inhibitor-like protein	M	g211
Timothy grass	Phleum pratense	Phl p 12	Profilin	M	g212

TREE POLLEN

Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Grey Alder	Alnus glutinosa	Aln g		E	t2
Alder	Alnus glutinosa	Aln g 1	PR-10	M	t100
Birch	Betula verrucosa	Bet v 1	PR-10	M	t215
Birch	Betula verrucosa	Bet v 2	Profilin	M	t216
Birch	Betula verrucosa	Bet v 4	Polcalcin	M	t220

Hazelnut pollen	<i>Corylus avellana</i> L.	Cor a 1.0103	PR-10	M	t102
WEED POLLEN					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Mugwort	<i>Artemisia vulgaris</i>	Art v		E	w6
Mugwort	<i>Artemisia vulgaris</i>	Art v 1	Plant defensin	M	w231
Mugwort	<i>Artemisia vulgaris</i>	Art v 3	nsLTP	M	w233
Ragweed	<i>Ambrosia artemisiifolia</i>	Amb a		M	w1
MITES					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
American house dust mite	<i>Dermatophagoides farinae</i>	Der f		E	d2
American house dust mite	<i>Dermatophagoides farinae</i>	Der f 1	Cysteine protease	M	d100
American house dust mite	<i>Dermatophagoides farinae</i>	Der f 2	NPC2 family	M	d101
European house dust mite	<i>Dermatophagoides pteronyssinus</i>	Der p		E	d1
European house dust mite	<i>Dermatophagoides pteronyssinus</i>	Der p 1	Cysteine protease	M	d202
European house dust mite	<i>Dermatophagoides pteronyssinus</i>	Der p 2	NPC2 family	M	d203
European house dust mite	<i>Dermatophagoides pteronyssinus</i>	Der p 5	Mite group 5/21	M	d103
European house dust mite	<i>Dermatophagoides pteronyssinus</i>	Der p 7	Mite group 7	M	d104
European house dust mite	<i>Dermatophagoides pteronyssinus</i>	Der p 10	Tropomyosin	M	d205

European house dust mite	Dermatophagoides pteronyssinus	Der p 20	Arginine kinase	M	d303
European house dust mite	Dermatophagoides pteronyssinus	Der p 21	Mite group 5/21	M	d304
European house dust mite	Dermatophagoides pteronyssinus	Der p 23	Peritrophin-like protein domain	M	d209

DANDER & EPITHELIA

Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Cat	Felis domesticus (catus)	Fel d		E	e1
Cat	Felis domesticus (catus)	Fel d 1	Uteroglobulin	M	e94
Cat	Felis domesticus (catus)	Fel d 2	Serum albumin	M	e220
Cat	Felis domesticus (catus)	Fel d 4	Lipocalin	M	e228
Cat	Felis domesticus (catus)	Fel d 7	Lipocalin	M	e231
Dog	Canis familiaris	Can f		E	e5
Dog	Canis familiaris	Can f 1	Lipocalin	M	e101
Dog	Canis familiaris	Can f 2	Lipocalin	M	e102
Dog	Canis familiaris	Can f 4	Lipocalin	M	e229
Dog	Canis familiaris	Can f 5	Prostatic kallikrein	M	e226
Dog	Canis familiaris	Can f 6	Lipocalin	M	e230
Guinea pig	Cavia porcellus	Cav p 1	Lipocalin	M	e305
Horse	Equus caballus	Equ c			e3
Horse	Equus caballus	Equ c 1	Lipocalin	M	e227
Mouse	Mus musculus	Mus m 1	Lipocalin	M	e103
Rabbit	Oryctolagus cuniculus	Ory c		M	e82

MICROORGANISMS

Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Alternaria alternata	Alternaria alternata	Alt a 1	Alt a 1 family	M	m229

FRUITS

Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Apple	Malus domestica	Mal d		E	f49
Apple	Malus domestica	Mal d 3	nsLTP	M	f435
Kiwi	Actinidia deliciosa	Act d		M	f84
Peach	Prunus persica	Pru p 1	PR-10	M	f419
Peach	Prunus persica	Pru p 3	nsLTP	M	f420
Strawberry	Fragaria ananassa (Strawberry)	Fra a 1	PR-10	M	f44-1
Barley	Hordeum vulgare	Hor v		E	f6
Corn, cereal	Zea mays	Zea m		E	f8
Oats	Avena sativa	Ave s		E	f7
Wheat	Triticum aestivum	Tri a 14	nsLTP	M	f433
Wheat	Triticum aestivum	Tri a 19	Ω -5-gliadin	M	f416
LEGUMES					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Peanut	Arachis hypogaea	Ara h		M	f13
Peanut	Arachis hypogaea	Ara h 1	7/8S globulin	M	f422
Peanut	Arachis hypogaea	Ara h 2	2S albumin	M	f423
Peanut	Arachis hypogaea	Ara h 6	2S albumin	M	f447
Soy	Glycine max	Gly m 6	11S globulin	M	f432
NUTS & SEEDS					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Brazil nut	Bertholletia excelsa	Ber e		E	f18
Cashew	Anacardium occidentale	Ana o		E	f204
Cashew	Anacardium occidentale	Ana o 3	2S albumin	M	f443
Hazelnut	Corylus avellana	Cor a		M	f17
Hazelnut	Corylus avellana	Cor a 1.0401	PR-10	M	f428

Hazelnut	Corylus avellana	Cor a 9	11S globulin	M	f440
Macadamia	Macadamia integrifolia	Mac i		M	f345
Pistachio	Pistacia vera	Pis v		M	f818
Pistachio	Pistacia vera	Pis v 1	2S albumin	M	f531
Sunflower seed	Helianthus annuus	Hel a		E	f156
Walnut	Juglans regia	Jug r		M	f16
SPICES					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Mustard	Brassica/Sinapis alba	Sin ssp		E	f89
VEGETABLES					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Celery	Apium graveolens	Api g		E	F85
Celery	Apium graveolens	Api g 1	PR-10	M	f417
Potato	Solanum tuberosum	Sol t		M	f35
Carrot	Daucus carota L.	Dau c		E	f31
Carrot	Daucus carota L.	Dau c 1	PR-10	M	f507
EGG					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Chicken egg white	Gallus domesticus	Gal d white		E	f1
Chicken egg white	Gallus domesticus	Gal d 1	Ovomucoid	M	f233
Chicken egg white	Gallus domesticus	Gal d 2	Ovalbumin	M	f232
MILK					
Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Cow's milk	Bos domesticus	Bos d milk		E	f2
Cow's milk	Bos domesticus	Bos d 4	α -lactalbumin	M	f76
Cow's milk	Bos domesticus	Bos d 5	β -lactoglobulin	M	f77
Cow's milk	Bos domesticus	Bos d 8	Casein	M	f78

SEAFOOD

Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
Cod	Gadus morhua	Gad m		E	f3
Atlantic cod	Gadus morhua	Gad m 1	β -parvalbumin	M	f509
Atlantic herring	Clupea harengus	Clu h 1	β -parvalbumin	M	f525
Black tiger shrimp	Penaeus monodon	Pen m 1	Tropomyosin	M	f517
Carp	Cyprinus carpio	Cyp c		M	f356
Carp	Cyprinus carpio	Cyp c 1	β -parvalbumin	M	f355
Salmon	Salmo salar	Sal s		E	f41
Salmon	Salmo salar	Sal s 1	β -parvalbumin	M	f534
Shrimp		Pen m		M	f24

***COMING SOON**

Allergen source	Scientific name	Short name	Biochemical designation	Molecule Extract	Allergen code
*Ribwort	Plantago lanceolata	Pla l 1	Ole e 1 family	M	w234
*Cashew	Anacardium occidentale	Ana o 1	7/8S globulin	M	f558
*Cashew	Anacardium occidentale	Ana o 2	11S globulin	M	f550
*Olive	Olea europaea	Ole e 1	Ole e 1 family	M	t224
*London plane tree	Platanus acerifolia	Pla a 1	Plant invertase inhibitor	M	t241
*London plane tree	Platanus acerifolia	Pla a 3	nsLTP	M	t302
*Fagus sylvatica		Fag s 1		M	
*Walnut	Juglans regia	Jug r 4	11S globulin	M	f540
*Apple	Malus domestica	Mal d 1	PR-10	M	f434
*Hazelnut	Corylus avellana	Cor a 8	nsLTP	M	f425
*Hazelnut	Corylus avellana	Cor a 14	2S albumin	M	f439
*Soy	Glycine max	Gly m 4	PR-10	M	f353
*Peanut	Arachis hypogaea	Ara h 1	7/8S globulin	M	f422