



# Allergens and molecular components



# In practice

## For the laboratory

### Sampling conditions

Specific IgE blood tests do not require any special conditions.

- Treatment with anti-histamines can be continued.
- There is no need to fast before sample collection.
- The tests can be carried out at any age.

**Pre-analysis conditions:** 1 mL refrigerated serum

**Turnaround:** 3 days  
(except for allergies in **blue**: 1 week)

Example:

Coriander	<i>Coriandrum sativum</i>	f317
▶ Zucchini	<i>Cucurbita pepo</i>	f118
Cranberry	<i>Vaccinium oxycoccus</i>	Rf341

All allergens in black in the list are performed with Phadia Thermo-Fisher SCIENTIFIC's ImmunoCap technique and are covered by COFRAC accreditation and all the tests in blue are performed with the GSD technique and are also covered by the COFRAC accreditation.

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> Specialities > Allergology

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\*in alphabetical order

\*\*chronological by code

To find an allergen using its code in the other categories of allergens, look under the category the code corresponds to:

**c** medications

**d** mites

**e** animals

**f** foods

**g** grass pollens

**i** venoms and insects

**k** occupational allergens

**m** microorganisms

**o** other

**p** parasites

**t** tree pollens

**w** herb pollens

*Codes in italics: research allergens*

# 1 Mites

## House dust mites

<i>Dermatophagoides farinae</i>	d2
<i>Dermatophagoides microceras</i>	d3
<i>Dermatophagoides pteronyssinus</i>	d1
<i>Euroglyphus maynei</i>	d74

## Storage mites

<i>Acarus siro</i>	d70
<i>Argas reflexus</i>	d500
<i>Blomia tropicalis</i>	d201
<i>Glycyphagus domesticus</i>	d73
<i>Lepidoglyphus destructor</i>	d71
<i>Tyrophagus putrescentiae</i>	d72

# 1 Animals

Bovine serum albumin	e204
Budgerigar (droppings)	e77
Budgerigar (feathers)	e78
Canary (droppings)	e200
Canary (feathers)	e201
Cat (serum albumin)	e220
Cat (skin flakes)	e1
Chaffinch (feathers)	e214
Chicken (droppings)	e218
Chicken (feathers)	e85
Chicken (serum protein)	e219
Chinchilla (epithelium)	e208
Cow (hair and skin flakes)	e4
Dog (serum albumin)	e221
Dog (skin flakes)	e5
Duck (feathers)	e86
Ferret (epithelium)	e217
Gerbil (epithelium)	e209
Goat (epithelium)	e80
Goose (feathers)	e70
Guinea pig (epithelium)	e6
Hamster (epithelium)	e84
Horse (hair and skin flakes)	e3
Horse (serum protein)	e205

Mink (epithelium)	e203
Mouse (epithelium + serum protein + urinary protein)	e88
Mouse (epithelium)	e71
Mouse (serum protein)	e76
Mouse (urinary protein)	e72
Parrot (feathers)	e213
Pig (epithelium)	e83
Pig (serum albumin)	e222
Pig (urinary protein)	Re212
Pigeon (feathers)	e215
Rabbit (epithelium)	e82
Rabbit (serum protein)	e206
Rabbit (urinary protein)	e211
Rat (epithelium + serum protein + urinary protein)	e87
Rat (epithelium)	e73
Rat (serum protein)	e75
Rat (urinary protein)	e74
Sheep (epithelium)	e81
Turkey (feathers)	e89

# 1 Microorganisms

<i>Alternaria alternata</i>	m6
<i>Aspergillus flavus</i>	m228
<i>Aspergillus fumigatus</i>	m3
<i>Aspergillus niger</i>	m207
<i>Aspergillus terreus</i>	m36
<i>Aureobasidium pullulans</i>	m12
<i>Botrytis cinerea</i>	m7
<i>Candida albicans</i>	m5
<i>Cephalosporium acremonium</i>	m202
<i>Chaetomium globosum</i>	m208
<i>Cladosporium herbarum</i>	m2
<i>Curvularia lunata</i>	m16
<i>Epicoccum purpurascens</i>	m14
<i>Fusarium proliferatum (F. moniliforme)</i>	m9
<i>Malassezia spp.</i>	m227
<i>Mucor racemosus</i>	m4
<i>Penicillium chrysogenum (P. notatum)</i>	m1
<i>Penicillium frequentans</i>	m209
<i>Phoma betae</i>	m13
▶ <i>Pityrosporium orbiculare</i>	m70
<i>Rhizopus nigricans</i>	m11
<i>Setomelanomma rostrata (Helminthosporium halodes)</i>	m8

<i>Staphylococcal enterotoxin A</i>	m80
<i>Staphylococcal enterotoxin B</i>	m81
<i>Staphylococcal enterotoxin C</i>	m223
<i>Staphylococcal enterotoxin TSST</i>	m226
<i>Stemphylium herbarum (S. Botryosum)</i>	m10
<i>Trichoderma viride</i>	m15
<i>Trichophyton mentagrophytes var. interdigitale</i>	m211
<i>Trichophyton rubrum</i>	m205
<i>Ulocladium chartarum</i>	m204
<i>Ustilago tritici</i>	m201

# 1

## Tree pollens

African oil palm	<i>Elaeis guineensis</i>	t223
American beech	<i>Fagus grandifolia</i>	t5
American elm	<i>Ulmus americana</i>	t8
American sweetgum	<i>Liquidambar styraciflua</i>	t211
Arizona cypress	<i>Cupressus arizonica</i>	t222
Ash-leaved maple	<i>Acer negundo</i>	t1
Australian pine	<i>Casuarina equisetifolia</i>	t73
Bayberry	<i>Myrica cerifera</i>	t56
Birch	<i>Betula verrucosa</i>	t3
Broom	<i>Cytisus scoparius</i>	t55
California walnut	<i>Juglans californica</i>	t10
Canary Island date palm	<i>Phoenix canariensis</i>	t214
Cedar elm	<i>Ulmus crassifolia</i>	t45
Common ash	<i>Fraxinus excelsior</i>	t25
Eastern cottonwood	<i>Populus deltoides</i>	t14
Elder	<i>Sambucus nigra</i>	t205
Eucalyptus	<i>Eucalyptus spp.</i>	t18
Goat willow	<i>Salix caprea</i>	t12
Grey alder	<i>Alnus incana</i>	t2
Hackberry	<i>Celtis occidentalis</i>	t44
Hazel	<i>Corylus avellana</i>	t4
Hornbeam	<i>Carpinus betulus</i>	t209
Horse chestnut	<i>Aesculus hippocastanum</i>	t203
Incense cedar	<i>Libocedrus decurrens</i>	t212
Italian cypress	<i>Cupressus sempervirens</i>	t23
Japanese red cedar	<i>Cryptomeria japonica</i>	t17
Live oak	<i>Quercus virginiana</i>	t218
London plane	<i>Platanus acerifolia</i>	t11
Long-leaved wattle	<i>Acacia longifolia</i>	t19
Mockernut hickory	<i>Carya tomentosa (syn. C alba)</i>	t41

Monterey pine	<i>Pinus radiata</i>	t213
Mountain juniper	<i>Juniperus sabinooides</i>	t6
Oak	<i>Quercus alba</i>	t7
Olive	<i>Olea europaea</i>	t9
Palo verde	<i>Cercidium floridum</i>	t219
Pecan	<i>Carya pecan</i>	t22
Pencil cedar	<i>Juniperus virginiana</i>	t57
Peruvian pepper	<i>Schinus molle</i>	t217
Privet	<i>Ligustrum vulgare</i>	t210
Prosopis	<i>Prosopis juliflora</i>	t20
Queen palm	<i>Arecastrum romanzoffianum</i>	t72
Red mulberry	<i>Morus rubra</i>	t71
Small-leaved lime	<i>Tilia cordata</i>	t208
Spruce	<i>Picea abies</i>	t201
Swamp cypress	<i>Taxodium distichum</i>	t37
Sweet chestnut	<i>Castanea sativa</i>	t206
Weeping paperbark	<i>Melaleuca leucadendron</i>	t21
Weymouth pine	<i>Pinus strobus</i>	t16
White ash	<i>Fraxinus americana</i>	t15
White mulberry	<i>Morus alba</i>	t70

# 1 Grass pollens

Bahia grass	<i>Paspalum notatum</i>	g17
Barley	<i>Hordeum vulgare</i>	g201
Bermuda grass	<i>Cynodon dactylon</i>	g2
Bromegrass	<i>Bromus inermis</i>	g11
Cock's-foot	<i>Dactylis glomerata</i>	g3
Common reed	<i>Phragmites communis</i>	g7
Common rye-grass	<i>Lolium perenne</i>	g5
Creeping bent	<i>Agrostis stolonifera</i>	g9
Creeping wild rye	<i>Elymus triticoides</i>	g70
Johnson grass	<i>Sorghum halepensis</i>	g10
Kentucky bluegrass	<i>Poa pratensis</i>	g8
Maize	<i>Zea mays</i>	g202
Meadow fescue	<i>Festuca elatior</i>	g4
Meadow foxtail	<i>Alopecurus pratensis</i>	g16
Oat	<i>Avena sativa</i>	g14
Reed canary grass	<i>Phalaris arundinacea</i>	g71
Rye	<i>Secale cereale</i>	g12
Sweet vernal-grass	<i>Anthoxanthum odoratum</i>	g1
Timothy grass	<i>Phleum pratense</i>	g6
Wheat	<i>Triticum sativum</i>	g15
Yorkshire fog	<i>Holcus lanatus</i>	g13

# 1 Weed pollens

Annual marsh elder	<i>Iva ciliata</i>	w16
Annual sumpweed	<i>Salsola kali (pestifer)</i>	w11
Broad cocklebur	<i>Xanthium commune</i>	w13
Chamomile	<i>Matricaria chamomilla</i>	w206
Common amaranth	<i>Amaranthus retroflexus</i>	w14
Common ragweed	<i>Ambrosia elatior (A. artemisifolia)</i>	w1
Cuman ragweed	<i>Ambrosia psilostachya</i>	w2
Curly dock	<i>Rumex crispus</i>	w23
Dandelion	<i>Taraxacum vulgare</i>	w8
Dogfennel	<i>Eupatorium capillifolium</i>	w46
European goldenrod / solidago	<i>Solidago virgaurea</i>	w12
Fat-hen	<i>Chenopodium album</i>	w10
Flatspine bur ragweed	<i>Franseria acanthicarpa</i>	w4
Giant ragweed	<i>Ambrosia trifida</i>	w3
Japanese hops	<i>Humulus scandens</i>	w22
Lupin	<i>Lupinus spp.</i>	w207
Medick	<i>Medicago sativa</i>	w45
Mock cypress	<i>Kochia scoparia</i>	w17
Mugwort	<i>Artemisia vulgaris</i>	w6
Narrow-leaved plantain	<i>Plantago lanceolata</i>	w9
Ox-eye daisy	<i>Chrysanthemum leucanthemum</i>	w7
Palmer's amaranth	<i>Amaranthus palmeri</i>	w82
Quailbrush	<i>Atriplex lentiformis</i>	w15
Rape	<i>Brassica napus</i>	w203
Sheep's sorrel	<i>Rumex acetosella</i>	w18
Spreading pellitory	<i>Parietaria judaica</i>	w21
Stinging nettle	<i>Urtica dioica</i>	w20
Sunflower	<i>Helianthus annuus</i>	w204
Upright pellitory	<i>Parietaria officinalis</i>	w19
Wormwood	<i>Artemisia absinthium</i>	w5



# 1 Airborne allergen mixtures

## Grass pollens

Cock's foot, meadow fescue, rye-grass, Timothy grass, Kentucky bluegrass	gx1
Bermuda grass, rye-grass, Timothy grass, Kentucky bluegrass, Johnson grass, Bahia grass	gx2
Sweet vernal-grass, rye-grass, Timothy grass, rye, Yorkshire fog	gx3
Sweet vernal-grass, rye-grass, common reed, rye, Yorkshire fog	gx4
Bermuda grass, rye-grass, Johnson grass, Bromegrass, Yorkshire fog, Bahia grass	gx6

## Herb pollens

Yorkshire fog, mugwort, plantain, fat-hen, annual sumpweed	wx1
Cuman ragweed, mugwort, plantain, fat-hen, quailbrush	wx2
Mugwort, plantain, fat-hen, European goldenrod, stinging nettle	wx3
Yorkshire fog, mugwort, daisy, dandelion, European goldenrod	wx5
Plantain, fat-hen, annual sumpweed, sorrel	wx6
Daisy, dandelion, plantain, fat-hen, European goldenrod	wx7
Yorkshire fog, Cuman ragweed, giant ragweed	wx209

## Tree pollens

Ash-leaved maple, birch, oak, elm, California walnut	tx1
Oak, elm, plane, goat willow, Eastern cottonwood	tx4
Grey alder, hazel, elm, goat willow, Eastern cottonwood	tx5
Ash-leaved maple, birch, American beech, oak, California walnut	tx6
Olive, goat willow, pine, eucalyptus, long-leaved wattle, weeping paperbark	tx7
Ash-leaved maple, birch, hazel, oak, plane	tx8
Grey alder, birch, hazel, oak, goat willow	tx9
Grey alder, birch, hazel, ash	tx10

## Microorganisms

<i>Penicillium c.</i> , <i>Cladosporium h.</i> , <i>Aspergillus f.</i> , <i>Alternaria a.</i>	mx1
<i>Penicillium c.</i> , <i>Cladosporium h.</i> , <i>Aspergillus f.</i> , <i>Candida a.</i> , <i>Alternaria a.</i> , <i>Setonelanomma r.</i>	mx2
<i>Aspergillus fumigatus</i> , <i>Aspergillus niger</i> , <i>Aspergillus terreus</i> , <i>Aspergillus flavus</i>	mx4

## Animals

Cat, horse, cow, dog	ex1
Cat, dog, guinea pig, rat, mouse	ex2
Guinea pig, rabbit, hamster, rat, mouse	ex70
Goose, chicken, duck, turkey feathers	ex71
Budgerigar/cockatiel, canary, parrot, chaffinch feathers	ex72

## Other mixtures

Rye-grass, mugwort, plantain, pellitory, birch	rx1
D. farinae, cat, dog, horse, Alternaria	rx2
Bermuda grass, rye-grass, Bahia grass, Yorkshire fog, plantain, European goldenrod	rx3
D. pteronyssinus, cat, Aspergillus, cockroach	rx5
Birch, rye-grass, mugwort, Cladosporium, Alternaria	rx6
D. Pteronyssinus, cat, horse, dog, rabbit	rx7

# 2

## Plant-based foods

Almond	<i>Amygdalus communis</i>	f20
Anise	<i>Pimpinella anisum</i>	f271
Apple	<i>Malus sylvestris</i>	f49
Apricot	<i>Prunus armeniaca</i>	f237
Asparagus	<i>Asparagus officinalis</i>	f261
Aubergine	<i>Solanum melongena</i>	f262
Avocado	<i>Persea americana</i>	f96
Bamboo shoot	<i>Phyllostachys pubescens</i>	f51
Banana	<i>Musa spp.</i>	f92
Barley	<i>Hordeum vulgare</i>	f90
Barley	<i>Hordeum vulgare</i>	f6
Basil	<i>Ocimum basilicum</i>	f269
Bay (leaf)	<i>Laurus nobilis</i>	f278
Beetroot	<i>Beta vulgaris</i>	f319
Bilberry	<i>Vaccinium myrtillus</i>	f288
Black olive	<i>Olea europea</i>	f342
Black pepper	<i>Piper nigrum</i>	f280
Blackberry	<i>Rubus fruticosus</i>	f211
Brazil nut	<i>Bertholletia excelsa</i>	f18
Brewer's yeast	<i>Saccharomyces cerevisiae</i>	f45
Broccoli	<i>Brassica oleracea var. italica</i>	f260
Brussels sprouts	<i>Brassica oleracea var. gemmifera</i>	f217
Buckwheat	<i>Fagopyrum esculentum</i>	f11
Cabbage	<i>Brassica oleracea var. capitata</i>	f216
Carob	<i>Ceratonia siliqua</i>	f296
Carrot	<i>Daucus carota</i>	f31
Cashew nut	<i>Anacardium occidentale</i>	f202
Cauliflower	<i>Brassica oleracea var. botrytis</i>	f291
Celery	<i>Apium graveolens</i>	f85
Cherry	<i>Prunus avium</i>	f242
Chestnut	<i>Castanea sativa</i>	f299
Chick pea	<i>Cicer arietinus</i>	f309
Chilli	<i>Capsicum frutescens</i>	f279
Clove	<i>Syzygium aromaticum</i>	f268
Cocoa	<i>Theobroma cacao</i>	f93

Coconut	<i>Cocos nucifera</i>	f36
Coffee	<i>Coffea spp.</i>	f221
Common millet	<i>Panicum milliaceum</i>	f55
Coriander	<i>Coriandrum sativum</i>	f317
► Zucchini	<i>Cucurbita pepo</i>	f118
Cucumber	<i>Cucumis sativus</i>	f244
Cumin	<i>Carum carvi</i>	f265
Date	<i>Phoenix dactylifera</i>	f289
Dill	<i>Anethum graveolens</i>	f277
Fennel	<i>Foeniculum vulgare</i>	f276
Fenugreek	<i>Trigonella foenum-graecum</i>	f305
Fig	<i>Ficus carica</i>	f328
Foxtail millet	<i>Setaria italica</i>	f56
Garlic	<i>Allium sativum</i>	f47
Ginger	<i>Zingiber officinale</i>	f270
Gluten	<i>Triticum spp</i>	f79
Grape	<i>Vitis vinifera</i>	f259
Grapefruit	<i>Citrus paradisi</i>	f209
Green bean	<i>Phaseolus vulgaris</i>	f315
Green pepper	<i>Piper nigrum</i>	f263
Guar gum (agar)	<i>Cyamopsis tetragonolobus</i>	f246
Gum arabic	<i>Acacia spp.</i>	f297
Hazelnut R+*	<i>Corylus avellana</i>	f17
Honey		f247
Jujube	<i>Ziziphus jujuba</i>	f336
Kiwi fruit	<i>Actinidia chinensis</i>	f84
Lemon	<i>Citrus limon</i>	f208
Lentil	<i>Lens esculenta</i>	f235
Lettuce	<i>Lactuca sativa</i>	f215
Lima bean	<i>Phaseolus lunatus</i>	f182
Lime	<i>Citrus aurantifolia</i>	f306
Linseed (flax - seed)	<i>Linum usitatissimum</i>	f333
Lovage	<i>Levisticum officinale</i>	f275
Lupin (seed)	<i>Lupinus albus</i>	f335
Macadamia nut	<i>Macadamia spp.</i>	f345
Maize (seed)	<i>Zea mays</i>	f8
Mandarin	<i>Citrus reticulata</i>	f302
Mango	<i>Mangifera indica</i>	f91
Marjoram	<i>Origanum majorana</i>	f274
Melon	<i>Cucumis melo</i>	f87
Mint	<i>Mentha piperita</i>	f332
Mushroom	<i>Agaricus hortensis</i>	f212
Mustard	<i>Brassica/Sinapis spp.</i>	f89
Nutmeg (mace)	<i>Myristica fragrans</i>	f266
Oat	<i>Avena sativa</i>	f7
Onion	<i>Allium cepa</i>	f48
Orange	<i>Citrus sinensis</i>	f33
Oregano	<i>Origanum vulgare</i>	f283
Papaya	<i>Carica papaya</i>	f293

\* Natural allergen source enriched with recombinant rCor a 1 allergen

Paprika	<i>Capsicum annuum</i>	f218
Parsley	<i>Petroselinum crispum</i>	f86
Passion fruit	<i>Passiflora edulis</i>	f294
Pea	<i>Pisum sativum</i>	f12
Peach	<i>Prunus persica</i>	f95
Peanut	<i>Arachis hypogaea</i>	f13
Pear	<i>Pyrus communis</i>	f94
Pecan nut	<i>Carya illinoensis</i>	f201
Persimmon	<i>Diospyros kaki</i>	f301
Pine nut	<i>Pinus edulis</i>	f253
Pineapple	<i>Ananas comosus</i>	f210
Pistachio	<i>Pistacia vera</i>	f203
Poppy (seed)	<i>Papaver somniferum</i>	f224
Potato	<i>Solanum tuberosum</i>	f35
Prune	<i>Prunus domestica</i>	f255
Pumpkin (seed)	<i>Cucurbita pepo</i>	f226
Pumpkin/gourd	<i>Cucurbita pepo</i>	f225
Quinoa	<i>Chenopodium quinoa</i>	f347
Rape (seed)	<i>Brassica rapa</i>	f316
Raspberry	<i>Rubus idaeus</i>	f343
Raw coffee (bean)	See occupational allergens	k70
Red bean	<i>Phaseolus vulgaris</i>	f287
Rice	<i>Oryza sativa</i>	f9
Rye	<i>Secale cereale</i>	f5
Sesame (seed)	<i>Sesamum indicum</i>	f10
Soy (bean)	<i>Glycine max</i>	f14
Spelt	<i>Triticum spelta</i>	f124
Spinach	<i>Spinacia oleracea</i>	f214
Strawberry	<i>Fragaria vesca</i>	f44
Sugar beet (seed)	<i>Beta vulgaris</i>	f227
Sunflower (seed)	See occupational allergens	k84
Sweet potato	<i>Ipomea batatas</i>	f54
Tarragon	<i>Artemisia dracunculus</i>	f272
Tea	<i>Camellia sinensis</i>	f222
Thyme	<i>Thymus vulgaris</i>	f273
Tomato	<i>Lycopersicon lycopersicum</i>	f25
Tragacanth	<i>Astragalus spp</i>	f298
Vanilla	<i>Vanilla planifolia</i>	f234
Walnut	<i>Juglans spp.</i>	f256
Watermelon	<i>Citrullus lanatus</i>	f329
Wheat	<i>Triticum aestivum</i>	f4
White bean	<i>Phaseolus vulgaris</i>	f15

#### Allergens for research use only:

Cinnamon	<i>Cinnamomum spp.</i>	Rf220
Cranberry	<i>Vaccinium oxycoccus</i>	Rf341
Fava beans	<i>Vicia faba</i>	u666
Nutmeg (nut)	<i>Myristica fragrans</i>	Rf282

# 2 Animal-based foods

Anchovy	<i>Engraulis encrasicolus</i>	f313
Beef	<i>Bos spp.</i>	f27
Boiled cow's milk	<i>Bos spp</i>	f231
Carmine (cochineal extract)	<i>Dactylopius coccus</i>	f340
Catfish	<i>Ictalurus punctatus</i>	f369
Cheese (cooked)		f81
Cheese (fermented)		f82
Chicken	<i>Gallus spp.</i>	f83
Cod	<i>Gadus morhua</i>	f3
Cow's milk	<i>Bos spp</i>	f2
Cow's whey	<i>Bos spp</i>	f236
Crab	<i>Cancer pagurus</i>	f23
Crayfish	<i>Astacus astacus</i>	f320
► Duck (meat)	<i>Anatidae</i>	f157
Egg (white)	<i>Gallus spp</i>	f1
Egg (yolk)	<i>Gallus spp</i>	f75
Fish (cod)	<i>Gadus morhua</i>	f3
Goat's milk	<i>Capra hircus</i>	f300
Grooved carpet shell clam	<i>Ruditapes spp.</i>	f207
Gulf flounder	<i>Paralichthys albigutta</i>	f147
Haddock	<i>Melanogrammus aeglefinus</i>	f42
Hake	<i>Merluccius merluccius</i>	f307
Halibut	<i>Hippoglossus hippoglossus</i>	f303
Herring	<i>Clupea harengus</i>	f205
Japanese flying squid	<i>Todarodes pacificus</i>	f58
Japanese horse mackerel	<i>Trachurus japonicus</i>	f60
Japanese pilchard	<i>Sardinops melanosticta</i>	f61
Lamb	<i>Ovis spp.</i>	f88
Lobster	<i>Homarus gammarus</i>	f80
Mackerel	<i>Scomber scombrus</i>	f206
Mare's milk	<i>Equus spp</i>	f286
Megrim	<i>Lepidorhombus whiffiagonis</i>	f311
Mussel	<i>Mytilus edulis</i>	f37
Octopus	<i>Octopus vulgaris</i>	f59
Ormer	<i>Haliotis spp.</i>	f346
Oyster	<i>Ostrea edulis</i>	f290
Pacific mackerel	<i>Scomber japonicus</i>	f50
Plaice	<i>Pleuronectes platessa</i>	f254
Pollock	<i>Pollachius virens</i>	f413
Pork	<i>Sus spp</i>	f26
Prawn	<i>Pandalus borealis, Penaeus monodon</i> <i>Metapenaeopsis barbata,</i> <i>Metapenaeus joyneri</i>	f24
Rabbit	<i>Oryctolagus spp.</i>	f213

Rainbow trout	<i>Oncorhynchus mykiss (salmo gairdneri)</i>	f204
Red snapper	<i>Lutjanus campechanus</i>	f381
Salmon	<i>Salmo salar</i>	f41
Sardine	<i>Sardina pilchardus</i>	f308
Scallop	<i>Pecten spp.</i>	f338
Sheep's milk	<i>Ovis spp</i>	f325
Sheep's whey	<i>Ovis spp</i>	f326
Snail	<i>Helix aspersa</i>	f314
Sole	<i>Solea</i>	f337
Spiny lobster	<i>Palinurus spp.</i>	f304
Squid	<i>Loligo spp.</i>	f258
Swordfish	<i>Xiphias gladius</i>	f312
Tilapia	<i>Oreochromis sp</i>	f414
Tuna	<i>Thunnus albacares</i>	f40
Turkey	<i>Meleagris gallopavo</i>	f284
Walleye	<i>Sander vitreus (Stizostedion vitreum)</i>	f415
Whitefish	<i>Stenodus sp</i>	f384
Whole egg	<i>Gallus spp</i>	f245



# 2 Foods in chronological code order

f1	Egg (white)	<i>Gallus spp</i>
f2	Cow's milk	<i>Bos spp</i>
f3	Fish (cod)	<i>Gadus morhua</i>
f4	Wheat	<i>Triticum aestivum</i>
f5	Rye	<i>Secale cereale</i>
f6	Barley	<i>Hordeum vulgare</i>
f7	Oats	<i>Avena sativa</i>
f8	Maize (seed)	<i>Zea mays</i>
f9	Rice	<i>Oryza sativa</i>
f10	Sesame (seed)	<i>Sesamum indicum</i>
f11	Buckwheat	<i>Fagopyrum esculentum</i>
f12	Pea	<i>Pisum sativum</i>
f13	Peanut	<i>Arachis hypogaea</i>
f14	Soy (bean)	<i>Glycine max</i>
f15	White bean	<i>Phaseolus vulgaris</i>
f17	Hazelnut R+*	<i>Corylus avellana</i>
f18	Brazil nut	<i>Bertholletia excelsa</i>
f20	Almond	<i>Amygdalus communis</i>
f23	Crab	<i>Cancer pagurus</i>
f24	Prawn	<i>Pandalus borealis, Penaeus monodon</i> <i>Metapenaeopsis barbata,</i> <i>Metapenaeus joyneri</i>
f25	Tomato	<i>Lycopersicon lycopersicum</i>
f26	Pork (meat)	<i>Sus spp.</i>
f27	Beef (meat)	<i>Bos spp.</i>
f31	Carrot	<i>Daucus carota</i>
f33	Orange	<i>Citrus sinensis</i>
f35	Potato	<i>Solanum tuberosum</i>
f36	Coconut	<i>Cocos nucifera</i>
f37	Mussel	<i>Mytilus edulis</i>
f40	Tuna	<i>Thunnus albacares</i>
f41	Salmon	<i>Salmo salar</i>
f42	Haddock	<i>Melanogrammus aeglefinus</i>
f44	Strawberry	<i>Fragaria vesca</i>
f45	Brewer's yeast	<i>Saccharomyces cerevisiae</i>
f47	Garlic	<i>Allium sativum</i>
f48	Onion	<i>Allium cepa</i>
f49	Apple	<i>Malus sylvestris</i>
f50	Pacific mackerel	<i>Scomber japonicus</i>
f51	Bamboo shoot	<i>Phyllostachys pubescens</i>
f54	Sweet potato	<i>Ipomea batatas</i>
f55	Common millet	<i>Panicum milliaceum</i>
f56	Foxtail millet	<i>Setaria italica</i>
f58	Japanese flying squid	<i>Todarodes pacificus</i>

\* Natural allergen source enriched with recombinant rCor a 1 allergen

f59	Octopus	<i>Octopus vulgaris</i>
f60	Japanese horse mackerel	<i>Trachurus japonicus</i>
f61	Sardine	<i>Sardinops melanosticta</i>
f75	Egg (yolk)	<i>Gallus spp</i>
f79	Gluten	<i>Triticum spp</i>
f80	Lobster	<i>Homarus gammarus</i>
f81	Cheese (cooked)	
f82	Cheese (fermented)	
f83	Chicken (meat)	<i>Gallus spp.</i>
f84	Kiwi fruit	<i>Actinidia chinensis</i>
f85	Celery	<i>Apium graveolens</i>
f86	Parsley	<i>Petrosilenum crispum</i>
f87	Melon	<i>Cucumis melo</i>
f88	Lamb (meat)	<i>Ovis spp.</i>
f89	Mustard	<i>Brassica/Sinapis spp.</i>
f90	Barley	<i>Hordeum vulgare</i>
f91	Mango	<i>Mangifera indica</i>
f92	Banana	<i>Musa spp.</i>
f93	Cocoa	<i>Theobroma cacao</i>
f94	Pear	<i>Pyrus communis</i>
f95	Peach	<i>Prunus persica</i>
f96	Avocado	<i>Persea americana</i>
▶ f118	Zucchini	<i>Cucurbita pepo</i>
f124	Spelt	<i>Triticum spelta</i>
f147	Gulf flounder	<i>Paralichthys albigutta</i>
▶ f157	Duck (meat)	<i>Anatidae</i>
f182	Lima bean	<i>Phaseolus lunatus</i>
f201	Pecan nut	<i>Carya illinoensis</i>
f202	Cashew nut	<i>Anacardium occidentale</i>
f203	Pistachio	<i>Pistacia vera</i>
f204	Rainbow trout	<i>Oncorhynchus mykiss (salmo gairdneri)</i>
f205	Herring	<i>Clupea harengus</i>
f206	Mackerel	<i>Scomber scombrus</i>
f207	Grooved carpet shell clam	<i>Ruditapes spp.</i>
f208	Lemon	<i>Citrus limon</i>
f209	Grapefruit	<i>Citrus paradisi</i>
f210	Pineapple	<i>Ananas comosus</i>
f211	Blackberry	<i>Rubus fruticosus</i>
f212	Mushroom	<i>Agaricus hortensis</i>
f213	Rabbit (meat)	<i>Oryctolagus spp.</i>
f214	Spinach	<i>Spinacia oleracea</i>
f215	Lettuce	<i>Lactuca sativa</i>
f216	Cabbage	<i>Brassica oleracea var. capitata</i>
f217	Brussels sprouts	<i>Brassica oleracea var. gemmifera</i>
f218	Paprika	<i>Capsicum annum</i>
f221	Coffee	<i>Coffea spp.</i>
f222	Tea	<i>Camellia sinensis</i>
f224	Poppy (seed)	<i>Papaver somniferum</i>
f225	Pumpkin/gourd	<i>Cucurbita pepo</i>



f226	Pumpkin (seed)	<i>Cucurbita pepo</i>
f227	Sugar beet	<i>Beta vulgaris</i>
f231	Boiled cow's milk	<i>Bos spp</i>
f234	Vanilla	<i>Vanilla planifolia</i>
f235	Lentil	<i>Lens esculenta</i>
f236	Cow's whey	<i>Bos spp</i>
f237	Apricot	<i>Prunus armeniaca</i>
f242	Cherry	<i>Prunus avium</i>
f244	Cucumber	<i>Cucumis sativus</i>
f245	Whole egg	<i>Gallus spp</i>
f246	Guar gum (agar)	<i>Cyamopsis tetragonolobus</i>
f247	Honey	
f253	Pine nut	<i>Pinus edulis</i>
f254	Plaice	<i>Pleuronectes platessa</i>
f255	Prune	<i>Prunus domestica</i>
f256	Walnut	<i>Juglans spp.</i>
f258	Squid	<i>Loligo spp.</i>
f259	Grape	<i>Vitis vinifera</i>
f260	Broccoli	<i>Brassica oleracea var. italica</i>
f261	Asparagus	<i>Asparagus officinalis</i>
f262	Aubergine	<i>Solanum melongena</i>
f263	Green pepper	<i>Piper nigrum</i>
f265	Cumin	<i>Carum carvi</i>
f266	Mace (nutmeg)	<i>Myristica fragrans</i>
f268	Clove	<i>Syzygium aromaticum</i>
f269	Basil	<i>Ocimum basilicum</i>
f270	Ginger	<i>Zingiber officinale</i>
f271	Anise	<i>Pimpinella anisum</i>
f272	Tarragon	<i>Artemisia dracunculus</i>
f273	Thyme	<i>Thymus vulgaris</i>
f274	Marjoram	<i>Origanum majorana</i>
f275	Lovage	<i>Levisticum officinale</i>
f276	Fennel	<i>Foeniculum vulgare</i>
f277	Dill	<i>Anethum graveolens</i>
f278	Bay (leaf)	<i>Laurus nobilis</i>
f279	Chilli	<i>Capsicum frutescens</i>
f280	Black pepper	<i>Piper nigrum</i>
f283	Oregano	<i>Origanum vulgare</i>
f284	Turkey (meat)	<i>Meleagris gallopavo</i>
f286	Mare's milk	<i>Equus spp</i>
f287	Red bean	<i>Phaseolus vulgaris</i>
f288	Bilberry	<i>Vaccinium myrtillus</i>
f289	Date	<i>Phoenix dactylifera</i>
f290	Oyster	<i>Ostrea edulis</i>
f291	Cauliflower	<i>Brassica oleracea var. botrytis</i>
f293	Papaya	<i>Carica papaya</i>
f294	Passion fruit	<i>Passiflora edulis</i>
f296	Carob	<i>Ceratonia siliqua</i>
f297	Gum arabic	<i>Acacia spp.</i>

f298	Tragacanth	<i>Astragalus spp</i>
f299	Chestnut	<i>Castanea sativa</i>
f300	Goat's milk	<i>Capra hircus</i>
f301	Persimmon	<i>Diospyros kaki</i>
f302	Mandarin	<i>Citrus reticulata</i>
f303	Halibut	<i>Hippoglossus hippoglossus</i>
f304	Spiny lobster	<i>Palinurus spp.</i>
f305	Fenugreek	<i>Trigonella foenum-graecum</i>
f306	Lime	<i>Citrus aurantifolia</i>
f307	Hake	<i>Merluccius merluccius</i>
f308	Sardine	<i>Sardina pilchardus</i>
f309	Chick pea	<i>Cicer arietinus</i>
f311	Megrim	<i>Lepidorhombus whiffiagonis</i>
f312	Swordfish	<i>Xiphias gladius</i>
f313	Anchovy	<i>Engraulis encrasicolus</i>
f314	Snail	<i>Helix aspersa</i>
f315	Green bean	<i>Phaseolus vulgaris</i>
f316	Rape (seed)	<i>Brassica rapa</i>
f317	Coriander	<i>Coriandrum sativum</i>
f319	Beetroot	<i>Beta vulgaris</i>
f320	Crayfish	<i>Astacus astacus</i>
f325	Sheep's milk	<i>Ovis spp</i>
f326	Sheep's whey	<i>Ovis spp</i>
f328	Fig	<i>Ficus carica</i>
f329	Watermelon	<i>Citrullus lanatus</i>
f332	Mint	<i>Mentha piperita</i>
f333	Linseed (seed)	<i>Linum usitatissimum</i>
f335	Lupin (seed)	<i>Lupinus albus</i>
f336	Jujube	<i>Ziziphus jujuba</i>
f337	Sole	<i>Solea</i>
f338	Scallop	<i>Pecten spp.</i>
f340	Carmine/cochineal extract	<i>Dactylopus coccus</i>
f342	Black olive	<i>Olea europea</i>
f343	Raspberry	<i>Rubus idaeus</i>
f345	Macadamia nut	<i>Macadamia spp.</i>
f346	Ormer	<i>Haliotis spp.</i>
f347	Quinoa	<i>Chenopodium quinoa</i>
f369	Catfish	<i>Ictalurus punctatus</i>
f381	Red snapper	<i>Lutjanus campechanus</i>
f384	Whitefish	<i>Stenodus sp</i>
f413	Pollock	<i>Pollachius virens</i>
f414	Tilapia	<i>Oreochromis sp</i>
f415	Walleye	<i>Sander vitreus (Stizostedion vitreum)</i>
Rf220	Cinnamon	<i>Cinnamomum spp.</i>
Rf282	Nutmeg	<i>Myristica fragrans</i>
Rf341	Cranberry	<i>Vaccinium oxycoccus</i>

**Allergènes pour une utilisation de recherche uniquement :**

Fève	<i>Vicia faba</i>	u666
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## 2 Food mixtures

Peanut, hazelnut, brazil nut, almond, coconut	fx1
Cod, prawn, mussel, tuna, salmon	fx2
Wheat, oat, maize, sesame, buckwheat	fx3
Egg white, cow's milk, fish, peanut, soy, wheat	fx5
Tomato, brewer's yeast, garlic, onion, celery	fx7
Pea, white bean, carrot, potato	fx13
Tomato, spinach, cabbage, paprika	fx14
Orange, apple, banana, peach	fx15
Strawberry, pear, lemon, pineapple	fx16
Apple, banana, pear, peach	fx17
Pea, peanut, soya	fx18
Wheat, rye, oats, rice	fx20
Kiwi fruit, melon, banana, peach, pineapple	fx21
Pecan nut, cashew nut, pistachio, walnut	fx22
Hazelnut, prawn, kiwi fruit, banana	fx24
Sesame, brewer's yeast, garlic, celery	fx25
Egg white, cow's milk, peanut, mustard	fx26
Fish, hazelnut, soy, wheat	fx27
Prawn, kiwi fruit, beef, sesame	fx28
Orange, lemon, grapefruit, mandarin	fx29
Kiwi fruit, mango, banana, avocado, papaya	fx30
Apple, pear, peach, cherry, prune	fx31
Tarragon, marjoram, thyme, lovage	fx70
Cumin, nutmeg (mace), cardamom, clove	fx71
Pork, beef, chicken	fx73
Cod, herring, mackerel, plaice	fx74

# 3

## Venoms and insects

American cockroach	<i>Periplatena americana</i>	i206
Bald-faced hornet	<i>Dolichovespula maculata</i>	i2
Beetle	<i>Trogoderma angustum (Solier)</i>	i76
Blood worm (chironomus larva)	<i>Chironomus thummi (C. riparius)</i>	i73
Bumblebee	<i>Bombus terrestris</i>	i205
Common aerial yellowjacket	<i>Dolichovespula maculata</i>	i5
Common wasp R+*	<i>Vespula spp.</i>	i3
Ephestia	<i>Ephestia kuehniella</i>	i203
European hornet	<i>Vespa crabro</i>	i75
European paper wasp R+**	<i>Polistes dominulus</i>	i77
German cockroach	<i>Blatella germanica</i>	i6
Honeybee	<i>Apis mellifera</i>	i1
Horsefly	<i>Tabanus spp</i>	i204
Mosquito	<i>Aedes communis</i>	i71
Polistine wasp R+**	<i>Polistes spp.</i>	i4
Red ant	<i>Solenopsis invicta</i>	i70
Silk moth	<i>Bombyx mori</i>	i8

### Allergens for research use only:

Asian hornet	<i>Vespa velutina</i>	u1223
sApi m 4*	<i>Apis mellifera</i>	u1273



# 4

## Parasites

Anisakis	p4
Ascaris	p1

\* Natural allergen source enriched with recombinant rVes v 5 allergen

\*\* Natural allergen source enriched with recombinant rPol d 5 allergen

# 5

## Medications

▶ Acetylsalicylic acid	c217
Amoxicillin (amoxycillin)	c6
Ampicillin	c5
Bovine gelatin	c74
Cefazoline (Cefaclor <sup>®</sup> )	c7
▶ Cefuroxime (Zinacef <sup>®</sup> , Ceftin <sup>®</sup> )	c308
▶ Cephalosporin mixture (Cefaclor, Cefalexin, Cefotaxime, Cefuroxime)	c201
Chlorhexidine	c8
▶ Ciprofloxacin	c307
▶ Clavulanic acid	c305
▶ Diclofenac	c281
Human insulin	c73
▶ Ibuprofen	c286
▶ Ketoprofen	c388
▶ Lidocaine (Xylocaine <sup>®</sup> )	c232
▶ Macrolide mixture (Amphotericin B, Erythromycin Nystatin, Spiramycin)	c222
▶ Metronidazole	c398
▶ Paracetamol	u209
Penicillin G	c1
Penicillin V	c2
Pholcodine	c261
▶ Prednisone	c254
Quaternary ammonium (morphine)	c260
▶ Sulfamethoxazole	c223
Suxamethonium (Succinylcholine)	c202
▶ Tartrazine (E102)	c717
▶ Tetracyclines	c211
▶ Trimethoprim	c242
▶ Vitamin B12	c721

### Allergens for research use only:

<i>Atracurium</i>	u981
Mepivacaine	u221
M, Prednisolon	u81
Protamine	u1190
<i>Rocuronium</i>	u254

# 6 Other

Cotton (raw fibre)		o1
Daphnia		o207
Mealworm	<i>Tenebrio molitor</i>	o211
Seminal fluid		o70
Tobacco (dust)		o201

## Allergens for research use only:

Hemp		u901
Cannabis, LTP	rCan s 3	u1368



# 7

## Occupational allergens

▶ Abachi (wood dust)	<i>Triplochiton scleroxylon</i>	k212
▶ Alkalase		k205
Alpha-amylase		k87
Bromelain		k202
Chloramine-T		k85
Coffee bean		k70
Ethylene oxide		k78
Ficus		k81
Formaldehyde		k80
Isocyanate HDI		k77
Isocyanate MDI		k76
Isocyanate TDI		k75
Ispaghul		k72
Latex R+*		k82
Lysozyme		k208
Phthalic anhydride		k79
Pure silk		k74
Raw coffee (beans)		k70
Silk (waste)		k73
TAA (trimellitic anhydride)		k86
Trimellitic anhydride		k86



# 8 Diagnostic screening tests

## ImmunoCAP® Phadiatop

Mixture of allergenic compounds representative of common airborne allergens: Mites, animals, moulds, herb pollens, grass pollens, tree pollens



## ImmunoCAP® Trophatop Child

(up to 15 years)

- Egg white, cow's milk, peanut, mustard
- Fish, hazelnut, soy, wheat
- Prawn, kiwi fruit, beef, sesame



## ImmunoCAP® Trophatop Adult

- Egg white, cow's milk, fish, peanut, soy, wheat
- Hazelnut, prawn, kiwi fruit, banana
- Sesame seeds, brewer's yeast, garlic, celery







# 9

## Allergenic substances

### Mites

<i>House dust mite</i>	rDer p 1		d202
	rDer p 2		d203
	rDer p 10	Tropomyosin	d205
	rDer p 23		d209

### Allergens for research use only:

<i>Blomia tropicalis</i>	rBlo t 5		u1324
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### Animals

Cat	rFel d 1		e94
	nFel d 2	Serum albumin	e220
	rFel d 4		e228
	rFel d 7		e231
Horse	rEqu c 1		e227
Dog	rCan f 1		e101
	rCan f 2		e102
	nCan f 3	Serum albumin	e221
	rCan f 4		e229
	rCan f 5		e226
	rCan f 6		e230
Pig	nSus s PSAS	Serum albumin	e222
Cow	nBos d 6	Serum albumin	e204

### Microorganisms

<i>Alternaria alternata</i>	rAlt a 1		m229
<i>Aspergillus fumigatus</i>	rAsp f 1		m218
	rAsp f 2		m219
	rAsp f 3		m220
	rAsp f 4		m221
	rAsp f 6		m222

### Tree pollens

Birch	rBet v 1	PR-10	t215
	rBet v 2	Profilin	t216
	rBet v 4	Polcalcin	t220
	rBet v 6		t225
	rBet v 2 + rBet v 4		t221
Cypress	nCup a 1		t226
Oleaceae	rOle e 1		t224
Olive tree	nOle e 7	LTP	t227
	rOle e 9		t240
Plane	rPla a 1		t241

## Grass pollens

Bermuda grass	nCyn d 1		g216
Rye-grass	rPhl p 1		g205
	rPhl p 2		g206
	nPhl p 4		g208
	rPhl p 5b		g215
	rPhl p 6		g209
	rPhl p 7	Polcalcin	g210
	rPhl p 11		g211
	rPhl p 12	Profilin	g212
	rPhl p 1 + rPhl p 5b		g213
	rPhl p 7 + rPhl p 12		g214

## Weed pollens

Yorkshire fog	nAmb a 1		w230
Mugwort	nArt v 1		w231
	nArt v 3	LTP	w233
Pellitory	rPar j 2	LTP	w211
Plantain	rPla l 1		w234
Annual sumpweed	nSal k 1		w232

## Foods

Peanut	rAra h 1	Storage protein	f422
	rAra h 2	Storage protein	f423
	rAra h 3	Storage protein	f424
	rAra h 6	Albumin 2S, peanut	f447
	rAra h 8	PR-10	f352
	rAra h 9	LTP	f427
Wheat	Gliadin	Gliadin	f98
	rTri a 14	LTP	f433
	rTri a 19	Omega 5 gliadin	f416
Carp	rCyp c 1	Parvalbumin	f355
Cod	rGad c 1	Parvalbumin	f426
Celery	rApi g 1.01	PR-10	f417
Prawn	rPen a 1	Tropomyosin	f351
Kiwi fruit	rAct d 8	PR-10	f430
Cow's milk	nBos d 4	$\alpha$ -lactalbumin	f76
	nBos d 5	$\beta$ -lactoglobulin	f77
	nBos d 6	Serum albumin	e204
	nBos d 8	Casein	f78
Hazelnut	rCor a 1	PR-10	f428
	rCor a 8	LTP	f425
	nCor a 9	Storage protein	f440
	rCor a 14	Storage protein	f439
Walnut	rJug r 1	Storage protein	f441
	rJug r 3	LTP	f442
Cashew nut	rAna o 3	Storage protein	f443
Brazil nut	rBer e 1	Storage protein	f354

**Foods (contd.)**

Egg	nGal d 1	Ovomucoid	f233
	nGal d 2	Ovalbumin	f232
	nGal d 3	Conalbumin	f323
Egg	nGal d 4	Lysozyme	k208
Peach	rPru p 1	PR-10	f419
	rPru p 3	LTP	f420
	rPru p 4	Profilin	f421
	rPru p 7		f454
Apple	rMal d 1	PR-10	f434
	rMal d 3	LTP	f435
Sesame	rSes i 1		f449
Soy	rGly m 4	PR-10	f353
	nGly m 5	Storage protein	f431
	nGly m 6	Storage protein	f432

**Allergènes pour une utilisation de recherche uniquement :**

Cyclophilin	rAra h 18		u1370
Livetine (egg yolk)	nGal d 5		u770

**Venoms**

Bee	rApi m 1	Phospholipase A2	i208
	rApi m 2	Hyaluronidase	i214
	rApi m 3	Acid phosphatase	i215
	rApi m 5	Allergen C (DPP IV)	i216
	rApi m 10	Icarapine	i217
Vespula wasp	rVes v 1	Phospholipase A1	i211
	rVes v 5	Antigen 5	i209
Polistine wasp	rPol d 5	Antigen 5	i210

**Other – CCD marker**

alpha Gal	Galactose-alpha-1,3-galactose		o215
CCD	MUXF3		o214

**Occupational allergens/enzymes**

Pineapple	nA a c 2	Bromelain	k202
<i>Aspergillus oryzae</i>	nAsp o 21	α-amylase	k87
<i>Bacillus spp.</i>		Alkalase	k205

**Latex**

Latex	rHev b 1		k215
	rHev b 3		k217
	rHev b 5		k218
	rHev b 6.02		k220
	rHev b 8	Profilin	k221
	rHev b 11		k224



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