



INHALANT ALLERGENS	INHALANT ALLERGENS	INHALANT ALLERGENS	INSECT ALLERGENS	DRUG ALLERGENS
GRASS • Grass mix • Bahia Grass • Bermuda Grass • Brome Grass • Cocksfoot Grass • Golden Rod Grass – Johnson Grass • Maize Pollen • Cultivated wheat Grass Allergen components • Grass group 1 Bermuda • Grass group 1 Timothy • Grass group 5 Timothy	WEED POLLENS • Weed Mix • Common Pigweed • Dandelion • Lambs Quarters • Marguerite • Mugwort MITES • House dust mix • A. siro • B. tropicalis • B. spicifera • D. farinae • D. pteronyssinus • E. maynei • Glycyphagus domesticus • Lepidoglyphus destructor • Tyrophagus putrescentiae House dust mite components • Der p 1 cystein protease • Der p 2 NPC2 protein • Der p 10 tropomyosin • Der p 23 peritrophin	INHALANT ALLERGENS • Horse serum protein • Mouse epithelium • Mouse serum protein • Mouse urine protein • Parrot droppings • Parrot feathers • Pigeon droppings • Pigeon feathers • Pigeon serum protein • Rabbit epithelium • Rabbit serum protein • Rabbit urine protein • Rat epithelium • Rat serum protein • Rat urine protein • Sheep epithelium • Swine epithelium • Turkey feathers Animal Allergen components • Can f 1 dog lipocalin • Can f 2 dog lipocalin • Can f 3 dog serum albumin • Can f 5 dog arginine kinase • Cat fel d 1 uteroglobin • Cat fel d 2 serum albumin • Cat fel d 4 lipocalin • Equ c1 Horse lipocalin • Bos d 6 Cow serum albumin	INSECT ALLERGENS • American Cockroach • German Cockroach • Oriental Cockroach • Mosquito • Honey Bee • Common Wasp • European Hornet • Hornet (White faced) • Hornet (Yellow) • Paper Wasp Bee components • rApi m1 phospholipase A2 • rApi m2 hyaluronidase • rApi m3 acid phosphatase • rApi m5 dipeptidyl peptidase • rApi m10 icarapin • CCD marker Wasp components • rVes v1 phospholipase A1 • rVes v5 • rPol d5 • CCD marker	DRUG ALLERGENS • Amoxicillin • Ampicillin • Penicillin G IgE • Penicillin V IgE • Cefaclor • Insulin Bovine • Insulin Human • Insulin Porcine • Tetanus Toxoid
CROSS - REACTIVE COMPONENTS • Profilin • CCD • PR-10 • LTP	TREE POLLENS • Tree mix 1 (Olive, Willow, Pine, Acacia, Eucalyptus, Cajeput) • Tree mix 2 (Oak, Elm, Plane, Willow, Cottonwood) • Acacia • Birch • Cajeput • Cypress • Elm • Eucalyptus Tree • Italian Cypress • Japanese Cedar • London Plane Tree • Oak • Olive Tree • Pecan Tree • Pepper Tree • Pine Tree • Walnut Tree • Willow Tree Tree mix 1 consists of: Tree mix 2 consists of:	EPIDERMALS AND ANIMAL PROTEINS • Animal dander mix • Caged birds feather mix • Feather mix • Budgie droppings • Budgie feathers • Budgie serum protein • Canary feathers • Cat dander • Chicken feathers • Cow dander • Dog Dander • Duck feathers • Finch feathers • Goat epithelium • Goose feathers • Guinea pig • Hamster epithelium • Horse dander	OCCUPATIONAL • Ethylene Oxide • Formaldehyde • Isocyanate HDI • Isocyanate MDI • Isocyanate TDI • Latex • Maleic Anhydride • Phthalic Anhydride • Trimellitic Anhydride • Silk Natural • Untreated cotton	
		MOULDS • Mould mix • Alternaria tenuis • Aspergillus fumigatus • Botrytis cinerea • Candida albicans • C herbarum • Epicoccum • Helminthos halodes • Penicillin notatum • Phoma betae Mould components: • Alt a 1 Alternaria • Asp f 6 Aspergillus (ABPA)		

Please note that this is not a comprehensive list of tests but only represents the most common allergens. Please phone the laboratory at (012) 678 08614 to enquire about the availability of other allergens.

LIST OF ALLERGY TESTS



SCREENING TESTS	LEGUMES	FISH ALLERGENS CONT	FRUIT	VEG ALLERGENS CONT	DIVERSE
• Fx5 food mix • Phadiatop inhalant mix • IgE	• Chick pea • Green beans • Lentils • Lupin seed • Peas • Red kidney bean • Soya bean • White beans Soya Components: • Gly m 4 PR-10 • Gly m 5 storage protein • Gly m 6 storage protein	• Mackerel • Salmon • Sardine • Snoek • Sole • Swordfish • Tuna • Trout Fish Components: • Parvalbumin carp • Parvalbumin cod	• Tropical fruit mix • Apple • Apricot • Banana • Blackberry • Blueberry • Cherry • Cranberry • Dates • Grape • Grapefruit • Guava • Jackfruit • Kiwi • Lemon • Litchi • Mango • Melon • Naartjie • Orange • Passion fruit • Pawpaw • Peach • Pear • Pineapple • Plum • Strawberry	• Onion • Potato • Pumpkin & Squash • Spinach • Sweet potato • Tomato HERBS AND SPICES • Spice mix • Anise • Basil • Black pepper • Cardamon • Caraway • Chili pepper • Cinnamon • Clove • Coriander • Curry • Dill • Garlic • Ginger • Mint • Mustard • Nutmeg • Oregano • Paprika • Parsley • Saffron • Tarragon • Thyme	• Ascaris • Bakers yeast • Bilharzia • Canola oil • Cocoa (Chocolate) • Coffee • Cotton • Gelatin • Formaldehyde • Honey • Hops • P. notatum • Seminal (semen) fluid • Tea • Tobacco leaf
FOOD ALLERGENS GRAIN • Grain mix • Barley • Buckwheat • Maize • Malt • Oats • Rice • Rye • Wheat Wheat allergen components: • Omega 5 Gliadin • Gluten IgE • Tri a 14 LTP, Wheat	• Dairy mix • Milk (Cow) • Milk (Goats) • Cheddar cheese • Mould cheese Milk components • α Lactalbumin • β Lactoglobulin • Casein • Lactoferrin • Bovine serum albumin	SHELLFISH • Shellfish mix • Abalone • Blue mussel • Clam • Crab • Crayfish • Langoustine • Lobster • Octopus • Oyster • Scallop • Shrimp • Snail • Squid Shellfish components • Tropomyosin Shrimp	VEGETABLES • Asparagus • Avocado • Bamboo shoot • Beetroot • Brinjal • Brussel sprouts • Cabbage • Carrot • Celery • Cucumber • Green pepper • Lettuce • Mushrooms • Olive		
NUTS AND SEEDS • Nut mix • Almond • Brazil nut • Cashew nut • Coconut • Hazelnut • Linseed • Macadamia nut • Pecan nut • Pistachio nut • Peanuts • Pine Nut • Poppy seed • Sesame seed • Sunflower seed • Walnut	EGG AND POULTRY • Chicken • Turkey • Egg yolk Egg white components • Ovomuroid • Ovalbumin • Conalbumin • Lysozyme	MEAT • Meat mix • Beef • Gelatin • Mutton/Lamb • Pork Beef components: • Alpha 1,3-Gal • Bovine serum albumin			
Peanut components • Ara h 1 storage protein • Ara h 2 storage protein • Ara h 3 storage protein • Ara h 8 profilin • Ara h 9 LTP	FISH ALLERGENS • Fish mixture • Anchovy • Anisakis (fish parasite) • Cod fish • Hake • Herring				



SCREENING TESTS:	FOOD ADDITIVES CONT:	FOOD ALLERGENS CONT.*	DRUGS	GENERAL ANAESTHETICS CONT:
Food mix Consists of: • Egg White • Egg yolk • Milk • Codfish • Wheat • Soya • Peanut • Hazelnut • Shrimp Inhalant mix Consists of: • Grass mix • Cultivated rye grass • Common birch • Hazel tree • Mugwort • Ribwort/ plantain • Alternaria tenuis • D. pteronyssinus • D. farinae • Cat • Dog	• Sodium Benzoate • Sodium Nitrites • MSG • Potassium Sorbate CAST FOODS MILK AND DAIRY Egg White Egg Yolk Milk Milk components: • α - Lactalbumin • β - Lactoglobulin • Casein CEREALS AND GRAINS Baker's yeast Barley flour Maize Oats Rice Rye flour Soya Wheat Allergen components: • Maize profilin • Wheat profilin • CCD Bromelain • Peach LTP	Arah 1 storage protein • Arah 2 storage protein • Arah 6 storage protein FRUITS AND VEGETABLES Carrot Celery Orange Peach Tomato INHALANTS ANIMAL DANDER Cat epithelium Dog epithelium POLLENS 6 grass mix Bermuda grass Cultivated rye grass Common birch Hazel tree Mugwort Ribwort P officinalis MOULDS Penicillium notatum Aspergillus fumigatus Candida albicans Alternaria tenuis Cladosporium herbarum MITES Storage mite mix D pteronyssinus D farinae Acarus siro OCCUPATIONAL Carboxymethylcellulose Latex Chlorhexidine INSECT VENOMS Honey Bee Yellow jacket hornet Paper wasp European hornet	ANTIBIOTICS Amoxicillin Ampicillin Penicillin G Penicillin V Benzylpenicilloyl (PPL) Minor determinant Mix Clavulanic acid + Amoxicillin Cephalosporin C Cefazolin Ceftriaxone Cefuroxime Clarithromycin Tetracycline Trimethoprim Sulfamethoxazole Levofloxacin Ciprofloxacin Cefaclor Cefamandole Rifampicin ANALGESIC/ ANTI-INFLAMMATORIES Paracetamol Indomethacin Mefenamic acid Naproxen Diclofenac Ibuprofen Aspirin Dipyrone/Metamizole Phenylbutazone GENERAL ANESTHETICS General anaesthetic mix, (breakdown if positive) Muscle Relaxants • Vecuronium • Suxamethonium • Rocuronium • Mivacurium • Atracurium • Pancuronium • Cisatracurium	Propofol LOCAL ANAESTHETICS Lidocaine / Lignocaine (Xylotox) Articaine (Ubistesin) Mepivacaine (Carbocaine) Bupivacaine (Marcaine) RADIO CONTRAST MEDIA Iobitridol Iohexol (Omnipaque) Iomeprol Iopamidol Iopromide Ioxaglate ANTISEPTICS Chlorhexidine DIVERSE DRUG ALLERGY TESTING Diverse CAST <i>Please contact the laboratory for details (012) 678 0627</i> <i>Send tablets/ medication with patient Heparin specimens, clearly marked.</i> <i>Collect specimens Mondays to Thursdays, and not on the day before a Public Holiday.</i> Discontinue parenteral corticosteroids two weeks prior to testing. Ideally wait two weeks after an acute allergic reaction or illness before testing.
CAST FOOD ADDITIVES Food Colourants Mix 1 consists of: • Quinoline Yellow • Sunset Yellow FCF • Chromotrope B • Amaranth • New Coccine Food Colourants Mix 2 consists of: • Erythrosine • Patent Blue V • Indigo Carmine • Brilliant Black BN • Methylene Blue Preservative group, includes: • Potassium Metabisulphite • Tartrazine • Sodium Salicylate	SEAFOOD Anisakis Cod Crab Oyster Shrimp Squid MEAT Pork Beef NUTS AND SEEDS Hazelnut Almond Cashew nut Sesame seed Peanut Peanut components			



HEAVY METALS

- Aluminium
- Arsenic
- Barium
- Beryllium
- Chromium
- Cobalt
- Copper
- Ethyl Mercury
- Galium
- Gold
- Iridium
- Indium
- Iron
- Inorganic Mercury
- Lanthanum
- Lead
- Manganese
- Methyl mercury
- Molybdenum
- Nickel
- Platinum
- Phenyl Mercury
- Palladium
- Platinum
- Ruthenium
- Silver
- Tin
- Titanium
- Thimerosal mercury
- Vanadium
- Zinc
- Zirconium

ANTISEPTICS

- Mercurochrome
- Chlorhexidine

See list of CAST allergens: all allergens available on CAST is also available for MELISA testing, including diverse drug allergy testing.

SKIN PRICK TEST ALLERGENS	
INHALANTS	
ANIMAL ALLERGENS	
	Cat
	Dog
MOULDS	
	Alternaria alternata
	Cladosporium
	Aspergillus
FEATHERS	
	Feather mix
GRASSES	
	Bermuda Grass
	6-grass mix
POLLENS	
	Maize pollen
	Weed mix
	Plane tree pollen
	Oak pollen
	Olive pollen
	Cypress pollen
	Acacia pollen
	Eucalyptus

MITES	
	House dust mite mix
	B.tropicalis
	Cockroach
	(A shortened profile is also available)
FOODS	
	Cow's milk
	Egg
	Cod fish
	Shellfish
	Soya
	Wheat
	Peanut
	Maize/Corn
	Potato
	Tomato
	Orange
	Apple
	Banana
	Bakers yeast
	(A Shortened profile is available)
PATCH TESTS:	
	European baseline, sunscreen, cosmetic and hairdressing series.

SPECIMEN REQUIREMENTS:

TEST	SPECIMEN	SPECIAL INSTRUCTIONS
IgE	SST/Clotted Tube/1ml	
RAST	SST/Clotted Tube/5ml - depending on the number of allergens requested	
ECP	SST/Clotted Tube/1ml	Blood must be taken in a SST tube and serum must be separated within 1 hour.
Mast Cell Tryptase	SST/Clotted Tube/1ml	
ISAC	SST/Clotted Tube/1ml or less	
CAST	Heparin Tube/5ml	Must reach the lab within 24 hours on week days and before 12:00 on Fridays.
MELISA	Citrate Tube/5ml (4-6 depending on the number of allergens requested)	Must reach the lab within 24 hours on week days and before 12:00 on Fridays.



ONE COLLECTIVE TEST THAT INCLUDES 112 FOOD AND INHALANT ALLERGEN COMPONENTS. ISAC ALLERGEN COMPONENTS

ALLERGEN COMPONENT	ALLERGEN SOURCE COMMON NAME	PROTEIN GROUP
GRASS POLLEN		
Cyn d 1	Bermuda Grass	Grass group 1
Phl p 1	Timothy Grass	Grass group 1
Phl p 2	Timothy Grass	Grass group 2
Phl p 4	Timothy Grass	
Phl p 5	Timothy Grass	Grass group 5
Phl p 6	Timothy Grass	
Phl p 7	Timothy Grass	Polcalcin
Phl p 11	Timothy Grass	
Phl p 12	Timothy Grass	Profilin
TREE POLLEN		
Aln g 1	Alde Tree	PR-10 protein
Bet v 1	Birch Tree	PR-10 protein
Bet v 2	Birch Tree	Profilin
Bet v 4	Birch Tree	Polcalcin
Cor a 1.0101	Hazel pollen	PR-10 protein
Cry j 1	Japanese cedar	
Cup a 1	Cypress Tree	
Ole e 1	Olive Tree	
Ole e 7	Olive Tree	Lipid transfer protein (LTP)
Ole e 9	Olive Tree	
Pla a1	Plane Tree	
Pla a 2	Plane Tree	
Pla a 3	Plane Tree	Lipid transfer protein (LTP)
WEED POLLEN		
Che a 1	Goosefoot	
Amb a 1	Ragweed	
Pla l 1	Plantain (English)	
Art v 1	Mugwort	
Art v 3	Mugwort	Lipid transfer protein (LTP)
Mer a 1	Annual mercury	Profilin
Par j 2	Wall pellitory	Lipid transfer protein (LTP)
Sal k 1	Saltwort	
FRUIT		
Act d 1	Kiwi	
Act d 2	Kiwi	Thaumatococcal protein
Act d 5	Kiwi	
Act d 8	Kiwi	PR-10 protein
Api g 1	Celery	PR-10 protein
Mal d 1	Apple	PR-10 protein
Pru p 1	Peach	PR-10 protein
Pru p 3	Peach	Lipid transfer protein (LTP)



ONE COLLECTIVE TEST THAT INCLUDES 112 FOOD AND INHALANT ALLERGEN COMPONENTS. ISAC ALLERGEN COMPONENTS

ALLERGEN COMPONENT	ALLERGEN SOURCE COMMON NAME	PROTEIN GROUP
NUTS AND LEGUMES		
Ana o 2	Cashew nut	Storage protein, 11 S globulin
Ara h 1	Peanut	Storage protein, 7 S globulin
Ara h 2	Peanut	Storage protein, conglutin
Ara h 3	Peanut	Storage protein, 11 S globulin
Ara h 8	Peanut	PR-10 protein
Ara h 6	Peanut	Storage protein, conglutin
Ara h 9	Peanut	Lipid transfer protein (LTP)
Ber e 1	Brazil nut	Storage protein, 2S albumin
Cor a 1.0401	Hazelnut	PR-10 protein
Cor a 8	Hazelnut	Lipid transfer protein (LTP)
Cor a 9	Hazelnut	Storage protein, 11 S globulin
Jug r 1	Walnut	Storage protein, 2S albumin
Jug r 2	Walnut	Storage protein, 7S globulin
Jug r 3	Walnut	Lipid transfer protein (LTP)
Gly m 4	Soybean	Pr-10 protein
Gly m 5	Soybean	Storage protein, B-conglycinin
Gly m 6	Soybean	Storage protein, Glycinin
Ses i 1	Sesame seed	Storage protein, 2S albumin
GRAINS		
Fag e 2	Buckwheat	Storage Protein, 2S albumin
Tri a 14	Wheat	Crude gliadin (LTP)
Tri a 19.0101	Wheat	Omega-5 gliadin
Tri a aA_T1	Wheat	
OCCUPATIONAL		
Hev b 1	Latex	
Hev b 3	Latex	
Hev b 8	Latex	Profilin
Hev b 5	Latex	
Hev b 6.01	Latex	
Bos d 4	Cow's milk	a-lactalbumin
Bos d 5	Cow's milk	B-lactoglobulin
Bos d 6	Cow's milk and meat	Serum albumin
Bos d 8	Cow's milk	Casein
Bos d lactoferrin	Cow's milk	Transferrin
EGG		
Gal d 1	Egg white	Ovomucoid
Gal d 2	Egg white	Ovalbumin
Gal d 3	Egg white	Conalbumin
Gal d 5	Egg yolk	Serum albumin
FISH		
Gad c 1	Cod	Parvalbumin
Ani s 3	Anisakis (Fish parasite)	Tropomyosin
Ani s 1	Anisakis (Fish parasite)	
Pen m 2	Shrimp	Arginine kinase
Pen m 4	Shrimp	Sarcoplasmic Ca-binding protein
Pen m 1	Shrimp	Tropomyosin
MITES		
Der f 1	House dust mite (D.farinae)	
Der f 2	House dust mite (D.farinae)	
Der p 1	House dust mite (D.pteronysinus)	
Der p 2	House dust mite (D.pteronysinus)	Tropomyosin
Der p 10	House dust mite (D.pteronysinus)	
Blo t 5	House dust mite (B.tropicalis)	
Lep d 2	Storage mite	
MOULDS		
Alt a 1	Alternaria	
Alt a 6	Alternaria	Enolase
Asp f 1	Aspergillus	
Asp f 3	Aspergillus	
Asp f 6	Aspergillus	Mn Superoxide dismutase
Cla h 8	Cladosporium	
INSECTS AND PARASITES		
Api m 1	Honey bee venom	Phospholipase A2
Api m 4	Honey bee venom	Melittin
Pol d 5	Paper wasp venom	Venom, Antigen 5
Ves v 5	Common wasp venom	Venom, Antigen 5
Ani s 1	Anisakis	
Ani s 3	Anisakis	Tropomyosin
Bla g 1	Cockroach	
Bla g 2	Cockroach	
Bla g 7	Cockroach	Tropomyosin
Bla g 5	Cockroach	
ANIMALS		
Can f 1	Dog	Lipocalin
Can f 2	Dog	Lipocalin
Can f 3	Dog	Serum albumin
Can f 5	Dog	Arginine esterase
Equ c 3	Horse	Serum albumin
Equ c 1	Horse	Lipocalin
Fel d 1	Cat	Uteroglobin
Fel d 2	Cat	Serum albumin
Fel d 4	Cat	Lipocalin
Mus m 1	Mouse	Lipocalin
CROSS-REACTIVE PLANTS		
Bet v 4	Birch	Polcalcin
Phl p 7	Timothy	Polcalcin
Bet v 2	Birch	Profilin
Hev b 8	Latex	Profilin
Mer a 1	Annual mercury	Profilin
Ole e 7	Olive	Lipid transfer protein (LTP)
Phl p 12	Timothy	Profilin
MUXF 3	Sugar epitope from Bromelain	CCD-marker