



Allergens: Specific Immunoglobulin E (IgE) Antibodies

Allergy testing available to general and pediatric practices, and allergists

UR Medicine Labs performs testing by ImmunoCAP for the detection of specific IgE antibodies to >300 allergens to aid in the diagnosis and management of patients with allergic disease.

Specimens for testing are collected using a serum separator tube (SST):

- Up to 15 allergens can be tested using a 5 mL SST.
- Up to 30 allergens can be tested using a 7 mL SST.

Allergens can be ordered either as single allergen IgE tests or as multi-allergen IgE panels:

- [Multi-Allergen IgE Panels - for General and Pediatric Practices](#)
- [Multi-Allergen IgE Panels - for Allergists](#) (without concurrent measurement of Total IgE)
- [Multi-Allergen IgE Panels - Peanut Components](#) (includes risk stratification interpretation)
- [Multi-Allergen IgE Panels - Insect Venoms](#)
- Single Allergen IgE Tests:

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Other information

Allergen tests are reported in kilounits per liter (kU/L). [Allergen reference interval interpretations](#) are included in each test report.

Testing for other allergens may be available through a reference laboratory. Please consult the [UR Medicine Labs Test Menu](#) to search for other allergen tests.



Allergens: Specific Immunoglobulin E (IgE) Antibodies

Multi-Allergen IgE Panels – for General and Pediatric Practices

TEST CODE	TEST NAME
RAFP1	Allergen, Adult Food Panel
CDFRA	Food, Codfish
CLMRA	Food, Clam
CRNRA	Food, Corn
MILRA	Food, Milk (Cow's)
PEARA	Food, Peanut
SCLRA	Food, Scallop
SMPRA	Food, Shrimp
SOYRA	Food, Soybean
WALRA	Food, Walnut/Black Walnut
WHTRA	Food, Wheat
EGWRA	Food, Egg White
IGE	IgE, Total

TEST CODE	TEST NAME
RCAMG	Allergen, Childhood Allergy March Panel
ALTRA	Mold, <i>Alternaria alternata (tenuis)</i>
CDFRA	Food, Codfish
CEPRA	Cat Dander
DDDRA	Dog Dander
CKGRA	Cockroach, German
DFMRA	Mites, <i>Dermatophagoides farinae</i>
DPMRA	Mites, <i>Dermatophagoides pteronyssinus</i>
EGWRA	Food, Egg White
MILRA	Food, Milk (Cow's)
PEARA	Food, Peanut
SOYRA	Food, Soybean
WHTRA	Food, Wheat
IGE	IgE, Total

TEST CODE	TEST NAME
RPFP1	Allergen, Pediatric Food Panel
CDFRA	Food, Codfish
CRNRA	Food, Corn
EWHRA	Food, Egg Whole
MILRA	Food, Milk (Cow's)
PEARA	Food, Peanut
SOYRA	Food, Soybean
WHTRA	Food, Wheat
IGE	IgE, Total

TEST CODE	TEST NAME
RRRPG	Allergen, Northeast Allergy Panel
ALTRA	Mold, <i>Alternaria alternata (tenuis)</i>
ASFRA	Mold, <i>Aspergillus fumigatus</i>
CLDRA	Mold, <i>Hormodendrum (Cladosporium)</i>
CEPRA	Cat Dander
DDDRA	Dog Dander
CKGRA	Cockroach, German
DFMRA	Mites, <i>Dermatophagoides farinae</i>
DPMRA	Mites, <i>Dermatophagoides pteronyssinus</i>
GKJRA	Grass, June Grass / Kentucky Bluegrass
GRORA	Grass, Orchard Grass / Cocksfoot
LBQRA	Weed, Lamb's Quarters
RGSRA	Weed, Common / Short Ragweed
TBXRA	Tree, Box Elder/ Maple Tree
TELRA	Tree, Elm Tree
TOKRA	Tree, Oak Tree
TRBRA	Tree, Birch Tree
TWARA	Tree, White Ash Tree
IGE	IgE, Total

TEST CODE	TEST NAME
RIIPG	Allergen, Indoor Inhalant Panel
ASFRA	Mold, <i>Aspergillus fumigatus</i>
ASNRA	Mold, <i>Aspergillus niger</i>
CEPRA	Cat Dander
DDDRA	Dog Dander
MOERA	Mouse Epithelium
CKGRA	Cockroach, German
DFMRA	Mites, <i>Dermatophagoides farinae</i>
DPMRA	Mites, <i>Dermatophagoides pteronyssinus</i>
PNNRA	Mold, <i>Penicillium notatum</i>
IGE	IgE, Total

TEST CODE	TEST NAME
ROIPI1	Allergen, Outdoor Inhalant Panel
ALTRA	Mold, <i>Alternaria alternata (tenuis)</i>
CLDRA	Molds, <i>Hormodendrum (Cladosporium)</i>
GKJRA	Grass, June Grass/Kentucky Bluegrass
GMFRA	Grass, Meadow Fescue
GRTRA	Grass, Timothy Grass
GRYRA	Grass, Perennial Rye Grass
RGSRA	Weed, Common / Short Ragweed
TBXRA	Tree, Box Elder / Maple Tree
TGARA	Tree, Alder Tree
TOKRA	Tree, Oak Tree
TRBRA	Tree, Birch Tree
IGE	IgE, Total



Allergens: Specific Immunoglobulin E (IgE) Antibodies

Multi-Allergen IgE Panels – for Allergists

TEST CODE	TEST NAME
RAFP2	Allergen, Adult Food Panel
CRNRA	Food, Corn
MILRA	Food, Milk (Cow's)
PEARA	Food, Peanut
SCLRA	Food, Scallop
SMPRA	Food, Shrimp
SOYRA	Food, Soybean
WALRA	Food, Walnut/Black Walnut
WHTRA	Food, Wheat

TEST CODE	TEST NAME
RCAMA	Allergen, Childhood Allergy March Panel
ALTRA	Mold, <i>Alternaria alternata (tenuis)</i>
CEPRA	Cat Dander
DDDRA	Dog Dander
CKGRA	Cockroach, German
DFMRA	Mites, <i>Dermatophagoides farinae</i>
DPMRA	Mites, <i>Dermatophagoides pteronyssinus</i>
EGWRA	Food, Egg White
MILRA	Food, Milk (Cow's)
PEARA	Food, Peanut
SOYRA	Food, Soybean
WHTRA	Food, Wheat

TEST CODE	TEST NAME
RPFP2	Allergen, Pediatric Food Panel
CRNRA	Food, Corn
EWHRA	Food, Egg Whole
MILRA	Food, Milk (Cow's)
PEARA	Food, Peanut
SOYRA	Food, Soybean
WHTRA	Food, Wheat

TEST CODE	TEST NAME
RRRP2	Allergen, Northeast Allergy Panel
ALTRA	Mold, <i>Alternaria alternata (tenuis)</i>
CLDRA	Mold, <i>Hormodendrum (Cladosporium)</i>
CEPRA	Cat Dander
DDDRA	Dog Dander
DFMRA	Mites, <i>Dermatophagoides farinae</i>
LBQRA	Weed, Lamb's Quarters
RGSRA	Weed, Common/Short Rag-weed
TOKRA	Tree, Oak Tree
GRTRA	Grass, Timothy Grass

TEST CODE	TEST NAME
RIIPA	Allergen, Indoor Inhalant Panel
ASFRA	Mold, <i>Aspergillus fumigatus</i>
ASNRA	Mold, <i>Aspergillus niger</i>
CEPRA	Cat Dander
DDDRA	Dog Dander
MOERA	Mouse Epithelium
CKGRA	Cockroach, German
DFMRA	Mites, <i>Dermatophagoides farinae</i>
DPMRA	Mites, <i>Dermatophagoides pteronyssinus</i>
PNNRA	Mold, <i>Penicillium notatum</i>

TEST CODE	TEST NAME
ROIP2	Allergen, Outdoor Inhalant Panel
ALTRA	Mold, <i>Alternaria alternata (tenuis)</i>
CLDRA	Molds, <i>Hormodendrum (Cladosporium)</i>
GKJRA	Grass, June Grass / Kentucky Bluegrass
RGSRA	Weed, Common / Short Rag-weed
TBXRA	Tree, Box Elder / Maple Tree
TGARA	Tree, Alder Tree
TOKRA	Tree, Oak Tree
TRBRA	Tree, Birch Tree



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Multi-Allergen IgE Panels – *Peanut Components*

TEST CODE	TEST NAME
PEANT	Allergen, Peanut Components
PEIGE	Food, Peanut
PARH1	Food, Peanut, Ara h1
PARH2	Food, Peanut, Ara h2
PARH3	Food, Peanut, Ara h3
PARH6	Food, Peanut, Ara h6
PARH9	Food, Peanut, Ara h9
PARH8	Food, Peanut, Ara h8

TEST CODE	TEST NAME
PEANW	Allergen, Peanut with Reflex to Components Option
PEIGE	Food, Peanut
OPTION:	
↪ If positive, reflex to Peanut Components	
PARH1	Food, Peanut, Ara h1
PARH2	Food, Peanut, Ara h2
PARH3	Food, Peanut, Ara h3
PARH6	Food, Peanut, Ara h6
PARH9	Food, Peanut, Ara h9
PARH8	Food, Peanut, Ara h8

Peanut Component Risk Stratification

Peanut (whole allergen) consists of numerous peanut components. Peanut component testing can help assess the risk of systemic allergic responses to peanut exposure and identify cross-reactivity to other plant foods and pollens. The available peanut components are: Ara h1, Ara h2, Ara h3, Ara h6, Ara h9, and Ara h8.

The presence of specific IgE antibody to any one of Ara h1, Ara h2, Ara h3, Ara h6, or Ara h9 may indicate a higher risk of systemic allergic reaction to peanut. Ara h1, Ara h2, Ara h3 and Ara h6 are ‘storage proteins’ that are stable to heat and digestion. Ara h9 is a ‘lipid transfer protein’ (LTP) that is stable to heat and digestion and may be cross-reactive with plant foods and pollens. Ara h8 is a member of the PR-10 protein group and is labile to heat and digestion; it is of limited value in diagnosing a true peanut allergy but can be helpful when diagnosing peanut symptoms due to cross-reaction with birch pollen.

Ara h8	Ara h9	Ara h1, Ara h2, Ara h3, Ara h6	
+/-	+/-	+	Higher risk of systemic allergic reaction to peanut.
+/-	+	-	
+	-	-	Low risk of systemic allergic reaction to peanut. Laboratory results must be correlated with clinical history and in vivo reactivity to allergens.

A positive peanut (whole allergen) test with negative peanut component tests may indicate that a person is sensitized to a component that is not available for testing.



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Multi-Allergen IgE Panels—*Insect Venom*

TEST CODE	TEST NAME
VAIGE	Allergen, Insects, Venom IgE Panel
HBIGE	Honey Bee
WHIGE	White-face Hornet
YJIGE	Yellow Jacket
PWIGE	Paper Wasp
YHIGE	Yellow Hornet

Single Allergen IgE Tests

TEST CODE	TEST NAME
	Allergen, Insects & Venom
CKGRA	Cockroach, German
CKRRA	Cockroach, American
HBIGE	Honey Bee
MOSRA	Mosquito
PWIGE	Paper Wasp
WHIGE	White-face Hornet
YHIGE	Yellow Hornet
YJIGE	Yellow Jacket

TEST CODE	TEST NAME
	Allergen, Occupational
CTSRA	Cottonseed
HDIRA	Isothiocyanate HDI
MDIRA	Isothiocyanate MDI
TDIRA	Isothiocyanate TDI
LATRA	Latex

TEST CODE	TEST NAME
	Allergen, Staphylococcal Enterotoxin
SEARA	Staphylococcal Enterotoxin A
SEBRA	Staphylococcal Enterotoxin B
SECRA	Staphylococcal Enterotoxin C
SEDRA	Staphylococcal Enterotoxin D
SETRA	Staphylococcal Enterotoxin TSST



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Single Allergen IgE Tests

TEST CODE	TEST NAME
Allergen, Food	
Vegetables	
ASBRA	Food, Asparagus
BELRA	Food, Bean, White / Navy
BETRA	Food, Beetroot
PPRA	Food, Bell Pepper / Paprika
BRCRA	Food, Broccoli
CABRA	Food, Cabbage
CARRA	Food, Carrot
CAURA	Food, Cauliflower
CELRA	Food, Celery
CKPRA	Food, Chickpea (Garbanzo Bean)
CHIRA	Food, Chili Pepper
CRNRA	Food, Corn
CMBRA	Food, Cucumber
DILRA	Food, Dill
EGGPR	Food, Eggplant
BEGRA	Food, Green Bean (String)
BRKRA	Food, Kidney / Pinto Bean
LENRA	Food, Lentil
LETRA	Food, Lettuce
BLIRA	Food, Lima Bean/White Bean
MSRRA	Food, Mushroom
ONIRA	Food, Onion
PGNRA	Food, Pea, Green
PBGRA	Food, Pepper, Green
POTRA	Food, Potato
PMSRA	Food, Pumpkin Seed
PMKRA	Food, Pumpkin/Squash
SOYRA	Food, Soybean
SPNRA	Food, Spinach
SWPRA	Food, Sweet Potato

TEST CODE	TEST NAME
Allergen, Food	
Egg	
EGWRA	Food, Egg White
EWHRA	Food, Egg Whole
EYKRA	Food, Egg Yolk
OVARA	Food, Ovalbumin
OVORA	Food, Ovomuroid

TEST CODE	TEST NAME
Allergen, Food	
Dairy	
ALPRA	Food, Alpha-lactalbumin
BLARA	Food, Beta-lactoglobulin
CASRA	Food, Casein
CHMRA	Food, Cheese Mold
CHCRA	Food, Cheese, Cheddar
MILRA	Food, Milk (Cow's)
GMKRA	Food, Milk, Goat
SMKRA	Food, Milk, Sheep
WHYRA	Food, Whey

TEST CODE	TEST NAME
Allergen, Food	
Meat	
BEFRA	Food, Beef
CHKRA	Food, Chicken/Meat
LAMRA	Food, Lamb
PPKRA	Food, Pork
TRKRA	Food, Turkey

TEST CODE	TEST NAME
Allergen, Food	
Seasonings, Condiments, Spices, Additives, Miscellaneous	
BAYRA	Food, Baker's Yeast / Brewer's Yeast
BASRA	Food, Basil
BYLRA	Food, Bay Leaf
PBKRA	Food, Black Pepper
CAWRA	Food, Caraway Seed
CHLRA	Food, Chocolate
CINRA	Food, Cinnamon
CLVRA	Food, Clove
CFFRA	Food, Coffee
FENUG	Food, Fenugreek
GARRA	Food, Garlic
GELBR	Food, Gelatin Bovine / Porcine
GINRA	Food, Ginger
MALRA	Food, Malt
MUSRA	Food, Mustard
NTGRA	Food, Nutmeg
ORERA	Food, Oregano
PARRA	Food, Parsley
PPERA	Food, Peppermint
REDRA	Food, Red Dye / Carmine (Red 4)
SAFFR	Food, Saffron
TARRA	Food, Tarragon
TEARA	Food, Tea
THYRA	Food, Thyme
VANRA	Food, Vanilla



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Single Allergen IgE Tests

TEST CODE	TEST NAME
	Allergen, Food
Nuts	
ALMRA	Food, Almond
NBRRRA	Food, Brazil Nut
NCARA	Food, Cashew
CCORA	Food, Coconut
NHZRA	Food, Hazelnut (Filbert)
MCARA	Food, Macadamia Nut
CHTRA	Food, Chestnut
PEANW	Food, Peanut*
NPCRA	Food, Pecan
PNTRA	Food, Pine (Pinon) Nut
PISRA	Food, Pistachio
WALRA	Food, Walnut/Black Walnut

TEST CODE	TEST NAME
	Allergen, Food
Grains, Seeds	
BKWRA	Food, Buckwheat (<i>Fagopyrum esculentum</i>)
BARRA	Food, Barley
BTSRA	Food, Beets, Sugar (Seeds)
FLXRA	Food, Flaxseed (Linseed)
GLURA	Food, Gluten
OATRA	Food, Oat
PPSRA	Food, Poppy Seed
QUIRA	Food, Quinoa
RICRA	Food, Rice
RYERA	Food, Rye
SESRA	Food, Sesame Seed
SFSRA	Food, Sunflower Seed
WHTRA	Food, Wheat
RAPSR	Food, Rapeseed

TEST CODE	TEST NAME
	Allergen, Food
Fish, Shellfish	
POLRA	Food, Pollock
ACHRA	Food, Anchovy
BASSR	Food, Bass (Sea) / Mackerel
BLMRA	Food, Blue Mussel
CATFR	Food, Catfish
CLMRA	Food, Clam
CDFRA	Food, Codfish
CRBRA	Food, Crab
FLNRA	Food, Flounder (Plaice)
HADRA	Food, Haddock
HALRA	Food, Halibut
HERRA	Food, Herring
LOBRA	Food, Lobster
MACRA	Food, Mackerel
OCTRA	Food, Octopus
OYSRA	Food, Oyster
RSNRA	Food, Red Snapper
SALRA	Food, Salmon
SARRA	Food, Sardine
SCLRA	Food, Scallop
SMPRA	Food, Shrimp
SOLRA	Food, Sole
SQDRA	Food, Squid
SWDRA	Food, Swordfish
TRTRA	Food, Trout
TNARA	Food, Tuna
TILRA	Food, Tilapia
WTFRA	Food, Whitefish

TEST CODE	TEST NAME
	Allergen, Food
Fruit	
APPRA	Food, Apple
APRRA	Food, Apricot
AVORA	Food, Avocado
BANRA	Food, Banana
BLKRA	Food, Blackberry
BLBRA	Food, Blueberry
CHRRRA	Food, Cherry
CRANR	Food, Cranberry
DATRA	Food, Date
FIGRA	Food, Fig
GRARA	Food, Grape
GRAFR	Food, Grapefruit
CNTRA	Food, Honeydew Melon (Cantaloupe)
KIWRRA	Food, Kiwi
LEMRA	Food, Lemon
LIMRA	Food, Lime
MDNRA	Food, Mandarin / Tangerine
MANRA	Food, Mango
OLIRA	Food, Olives, Black
ORARA	Food, Orange
PAPRA	Food, Papaya
PCHRA	Food, Peach
PERRA	Food, Pear
PNARA	Food, Pineapple
PLMRA	Food, Plum
RSPRA	Food, Raspberry
STRRA	Food, Strawberry
TOMRA	Food, Tomato
WATRA	Food, Watermelon
PSFRA	Food, Passion Fruit

*Peanut, IgE (whole allergen) with Reflex to Components Option.



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Single Allergen IgE Tests

TEST CODE	TEST NAME
	Allergen, Epidermals & Animal Proteins
CANRA	Canary Feathers
CEPRA	Cat Dander
CHFRA	Chicken Feathers
COWRA	Cow Hair & Dander
DDDRA	Dog Dander
DKFRA	Duck Feathers
FMXRA	Feather Farm Mix
FEPRA	Ferret Epithelium
GERRA	Gerbil Epithelium
GOATE	Goat Epithelium
GSFRA	Goose Feathers
GPERA	Guinea Pig Epithelium
HAMRA	Hamster Epithelium
HORRA	Horse Hair & Dander
MSERA	Mouse
MOERA	Mouse Epithelium
MSPRA	Mouse Serum Protein
MUPRA	Mouse Urine Protein
PAKRA	Parakeet Feathers (Budgerigar)
PFRRA	Pigeon Feathers
RABRA	Rabbit Epithelium
REPRA	Rat Epithelia
RTSRA	Rat Serum Protein
SHEPR	Sheep Epithelium / Wool
SWERA	Swine Epithelium

TEST CODE	TEST NAME
	Allergen, Drugs
AMXRA	Amoxicillin
AMPRA	Ampicillin
PCGRA	Penicillin G (major)
PCVRA	Penicillin V (minor)

TEST CODE	TEST NAME
	Allergen, Weed
CCKRA	Cocklebur
RGSRA	Common / Short Ragweed
DANRA	Dandelion
EPLRA	English Plantain
FRGRA	False Ragweed
RGWRA	Giant Ragweed
GOLDR	Goldenrod
FIRRA	Kochia / Firebrush
LBQRA	Lamb's Quarters
MARRA	Marsh Elder
MUGRA	Mugwort (Sagebrush)
NETRA	Nettle
PGWRA	Pigweed
RUTRA	Russian Thistle
ARTRA	Sagebrush/Wormwood
SHSRA	Sheep Sorrel
SFLRA	Sunflower
RAGWR	Western Ragweed
YEDRA	Yellow Dock (<i>Rumex crispus</i>)

TEST CODE	TEST NAME
	Allergen, Grass
BAHRA	Bahia
GRBRA	Bent Grass / Redtop Grass
GBRRA	Bermuda
BRORA	Brome Grass
GRJRA	Johnson Grass
GKJRA	June Grass / Kentucky Bluegrass
GMFRA	Meadow Fescue
GRORA	Orchard Grass / Cocksfoot
GRYRA	Perennial Rye Grass
RYCRA	Rye Cultivated
GSVRA	Sweet Vernal Grass
GRTRA	Timothy Grass

TEST CODE	TEST NAME
	Allergen, Tree
TGARA	Alder Tree
TBEER	American Beech Tree
TRBRA	Birch Tree
TBXRA	Box Elder / Maple Tree
TCERA	Cedar
TCHRA	Chestnut
CTWRA	Cottonwood Tree
TELRA	Elm Tree
THZRA	Hazelnut
TMJRA	Mountain Juniper
TMURA	Mulberry
TOKRA	Oak Tree
TOVRA	Olive Tree
TPCRA	Pecan/Hickory
TREDC	Red Cedar
SPRRA	Spruce
TSYRA	Sycamore Tree
TWNRA	Walnut Tree
TWARA	White Ash Tree
TWHKY	White Hickory
TPNRA	White Pine Tree
TWLRA	Willow Tree

TEST CODE	TEST NAME
	Allergen, House Dust & Mites
HDGRA	House Dust, House Dust Greer
HHSRA	House Dust, House Dust Stier
BLTRA	Mites, <i>Blomia tropicalis</i>
DFMRA	Mites, <i>Dermatophagoides farinae</i>
DMIRA	Mites, <i>Dermatophagoides microceras</i>
DPMRA	Mites, <i>Dermatophagoides pteronyssinus</i>



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Allergen reference interval interpretations

Allergen reference interval interpretations are included in each test report.

Class	Reference interval	Interpretation
Class 00	< 0.10 kU/L	Absent or undetectable
Class 00/01	0.10 – 0.34 kU/L	Equivocal/Borderline
Class 01	0.35 – 0.70 kU/L	Low
Class 02	0.71 – 3.50 kU/L	Moderate
Class 03	3.51 – 17.50 kU/L	High
Class 04	17.51 – 50.00 kU/L	Very High
Class 05	50.01 – 100.00 kU/L	Very High
Class 06	> 100.00 kU/L	Very High