

Allergens-IgE Antibodies

Single Allergen IgE Antibody

This test is principally useful to confirm the allergen specificity in patients with clinically documented allergic disease. Therefore, requests for these tests should be made after a careful and comprehensive medical history is taken. Utilized in this manner, a single allergen immunoglobulin E (IgE) antibody test is cost-effective. A positive result indicates with high-predictive value that allergic signs and symptoms are caused by exposure to the specific allergen.

Multiallergen IgE Antibodies

A pooled reagent is used for each panel, therefore, the panel is reported with a single qualitative class result and concentration. Individual (single) allergen responses cannot be identified. If necessary, follow-up testing must be performed to differentiate between individual allergens in the panel.

These panels are composed of 3 types as follows:

- **Inhalant Allergen Panel**

Inhalant panels are especially useful in patients with allergies to inhaled allergens. They are comprised of pollen allergens found in different geographic regions of the U.S. Pollen allergens are grouped by class: grasses, trees, and weeds.

- **Food Panels**

Food panels are grouped by food type, including dairy, fish, grains, meats, nuts, and seafood.

- **Other Allergen Panels**

These panels include other significant allergen groups. These are composed of molds, household, and epithelia groupings.

The multiallergen IgE antibody test, combined with measurement of IgE in serum, is a very sensitive first-order test for allergic disease. Positive results indicate a high probability of allergic disease induced by 1 or more allergens present in the multiallergen panel. Negative results effectively rule-out allergy, except in rare cases of allergic disease induced by exposure to a single allergen. **Note: Only 1 result is generated for each panel.**

Panels may be ordered with or without concurrent measurement of IgE.

Immunoglobulin E (IgE)

Measurement of the concentration of IgE in serum is useful in the initial evaluation of patients suspected of having an allergic disease. Serum IgE concentrations greater than mean +2 SD are strongly associated with allergic disease; concentrations greater than the mean +1 SD are suspicious for allergic disease. However, some allergic individuals do not have above-normal concentrations. Measurement of serum IgE along with the multiallergen IgE antibody test offers greater sensitivity for the detection of allergic disease than either test alone.

ALL TESTS LISTED ARE IGE SPECIFIC

Animals (Epithelia and Proteins)

82135	Bovine Serum Albumin
82791	Budgerigar Droppings
82779	Budgerigar Feathers
82778	Canary Feathers
82665	Cat Epithelium
82142	Chicken Droppings
82713	Chicken Feathers
82351	Chicken Serum Protein
82873	Cow Epithelium
82144	Deer Epithelium
60108	Dog Dander
82708	Duck Feathers
82143	Ferret Epithelium
82146	Finch Feathers
82545	Gerbil Epithelium
82783	Goat Epithelium
82714	Goose Feathers
82706	Guinea Pig Epithelium
82780	Hamster Epithelium
82874	Horse Dander
82134	Horse Serum Protein
82707	Mouse Epithelium
82792	Mouse Serum Protein
82795	Mouse Urine Protein
82777	Parrot Feathers
82781	Pig Epithelium
82796	Pigeon Droppings
82145	Pigeon Feathers
82544	Rabbit Serum Protein
82148	Rabbit Urine Protein
82725	Rat Epithelium
82793	Rat Serum Protein
82794	Rat Urine Protein
82747	Sheep Wool
82824	Turkey Feathers

Antibiotics

82663	Amoxicillin
82664	Ampicillin
82660	Penicillin G
82656	Penicillin V

Drugs

82140	Adrenocorticotrophic Hormone(ACTH)
82692	Beef Neutral-Regular Insulin
82609	Chymopapain
82789	Insulin (Human)
82691	Pork Neutral-Regular Insulin
82139	Protamine
82138	Tetanus Toxoid

Food - Dairy

82897	Alpha-lactoalbumin
82896	Beta-lactoglobulin
82895	Casein
82752	Cheese, Cheddar
82751	Cheese, Mold Type
82872	Egg White
82753	Egg Yolk
82871	Milk
82550	Milk, Goat
82141	Milk, Mare
82827	Milk, Processed
82826	Ovalbumin
82825	Ovomucoid
82622	Whey

Food - Fish

82345	Anchovy
82548	Blue Mussel
82884	Clam
82889	Codfish
82745	Crab
82343	Crayfish
82350	Eel
82348	Hake
82633	Halibut

82823	Herring
82349	Langust (Lobster)
82744	Lobster
82342	Mackerel
82822	Mackerel, Chub
82819	Mackerel, Jack
82347	Megrim
82820	Octopus
82883	Oyster
82837	Plaice
82754	Salmon
82818	Sardine (Pilchard)
82259	Scallop
82677	Shrimp
86310	Sole
82631	Squid
82821	Squid, Pacific
82346	Swordfish
82788	Trout
82547	Tuna

Food - Fruits

82712	Apple
82835	Apricot
82812	Avocado
82746	Banana
82361	Blackberry
82359	Blueberry
82368	Carob
82798	Cherry
82739	Coconut
86307	Cranberry
82358	Date
82800	Grape
82836	Grapefruit
82357	Guava
82371	Jack Fruit
82761	Kiwi Fruit
82678	Lemon
82360	Lime
82352	Mandarin
82811	Mango
82762	Melons
82740	Orange
82356	Papaya
82355	Passion Fruit
82816	Peach
82807	Pear
82353	Persimmon
82815	Pineapple
82809	Plum
86305	Raspberry
82369	Red Currant
82676	Strawberry
86304	Watermelon

Food - Grains

82687	Barley
82727	Buckwheat
82705	Corn
82894	Gluten
82370	Hop Fruit
82834	Malt
82833	Millet, Common
82832	Millet, Foxtail
82831	Millet, Japanese
82688	Oat
82362	Pumpkin Seed
82366	Rape Seed
82709	Rice
82689	Rye
82886	Soybean
82382	Sugarbeet Seed
82813	Sunflower Seed
82686	Wheat

Food - Meats

82697	Beef
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82703	Chicken
82375	Horse
82699	Lamb
82700	Pork
82860	Rabbit
82702	Turkey

Food - Miscellaneous

82759	Baker's Yeast
60112	Cacao/Cocoa
86326	Gelatin
82367	Gum Arabic
82479	Gum Guar
82373	Honey
86311	Linseed
82626	Mushroom
82344	Snail
82625	Tea
82495	Tragacanth

Food - Nuts

82882	Almond
82899	Brazil Nut
82881	Cashew
82870	Chestnut, Sweet
82743	Hazelnut
82888	Peanut
82880	Pecan - Food
82381	Pine Nut
82808	Pistachio
82898	Walnut

Food - Spices/Condiments

82487	Anise
82489	Basil
82601	Bay Leaf
82814	Black/White Pepper
82493	Caraway
82491	Cardamom
82499	Chili Pepper
82624	Cinnamon
82490	Clove
82476	Coriander
82498	Curry
82602	Dill
82363	Fennel Seed
82760	Garlic
82488	Ginger
82365	Greek Fennel
82492	Mace
82605	Marjoram
82801	Mustard
82497	Nutmeg
82496	Oregano
82810	Paprika
82632	Poppy Seed
82728	Sesame Seed
82486	Tarragon
82606	Thyme
82621	Vanilla

Food - Vegetables

82478	Asparagus
82879	Bamboo Shoot
82610	Bean, Green String
82619	Bean, Kidney (Red)
82726	Bean, White
82618	Beets (Beetroot)
82817	Broccoli
82480	Brussels Sprout
86327	Cabbage
82742	Carrot
82617	Cauliflower
82766	Celery
82494	Chick Pea
82705	Corn
82861	Cucumber
82477	Eggplant

82885	Lentil
82805	Lettuce
86306	Olive
82806	Onion
82765	Parsley
82887	Pea, Green
82623	Pepper, Green
82799	Potato, Sweet
82710	Potato, White
86312	Spinach
82797	Squash
82695	Tomato

Grasses

82711	Bahia
82785	Barley
82892	Bermuda
82919	Brome
82829	Canary
82902	Common Reed
82718	Corn Pollen
82916	Cultivated Oat
82918	Cultivated Rye
82915	Cultivated Wheat
82379	False Oat
82900	Johnson
82893	June
82890	Meadow Fescue
82914	Meadow Foxtail
82907	Orchard Grass
82901	Red Top
82908	Rye Grass
82380	Salt Grass
82909	Sweet Vernal Grass
82891	Timothy Grass
82917	Velvet Leaf
82830	Wild Rye Grass

House Dust

82906	House Dust/Greer Lab
82903	House Dust/H-S Lab

House Dust Mites

82850	<i>Acarus siro</i>
82374	<i>Blomia tropicalis</i>
82905	<i>House Dust Mites/D. farinosa</i>
82828	<i>D. microceras</i>
82904	<i>House Dust Mites/D. pteronyssinus</i>
82846	<i>Euroglyphus maynei</i>
82847	<i>Glycyphagus domesticus</i>
82849	<i>Lepidoglyphus destructor</i>
82848	<i>Tyrophagus putrescentiae</i>

Insects - Venoms

82662	European Hornet Venom
82551	Honeybee Venom
82659	Wasp Venom
82658	White Faced Hornet Venom
82657	Yellow Faced Hornet Venom
82661	Yellow Jacket Venom

Insect - Whole Bodies

82838	Berlin Beetle
82840	Blood Worm
82693	Cockroach
82698	Fire Ant
82378	Grain Weevil
82844	Green Nemitt
82608	Horsefly/Stablefly
82845	Mosquito Species
82738	Moth

Isocyanate

82773	Isocyanate HDI
82774	Isocyanate MDI
82775	Isocyanate TDI

Miscellaneous	
82858	Seminal Fluid
Molds	
82910	<i>Alternaria tenuis</i>
82911	<i>Aspergillus fumigatus</i>
86324	<i>Aspergillus niger</i>
82855	<i>Aureobasidium pullulans</i>
82715	<i>Botrytis cinerea</i>
82690	<i>Candida albicans</i> (Monilia)
82387	<i>Cephalosporium acremonium</i>
82384	<i>Chaetomium globosum</i>
82912	<i>Cladosporium herbarum</i>
82852	<i>Curvularia lunata</i>
82854	<i>Epicoccum purpurascens</i>
82750	<i>Fusarium moniliforme</i>
82749	<i>Helminthosporium halodes</i>
82675	<i>Mucor racemosus</i>
82913	<i>Penicillium chrysogenum</i>
82736	<i>Phoma betae</i>
82851	<i>Pityrosporum orbiculare</i>
82856	<i>Rhizopus nigricans</i>
82696	<i>Stemphylium</i>
82853	<i>Trichoderma viride</i>
82720	<i>Trichophyton rubrum</i>
82386	<i>Trichosporon pullulans</i>
82546	<i>Ulocladium chartarum</i>
82388	<i>Ustilago nuda</i> , Mold Grain Rust

Occupational	
82866	Alpha-amylase
82770	Castor Bean
82859	Cotton Fiber
82804	Cottonseed
82767	Ethylene Oxide
82869	Formaldehyde
82769	Green Coffee Bean
82397	Hexahydrophthalic Anhydride
82768	Ispaghula
82787	Latex
82398	Lysozyme
82396	Maleic Anhydride
82383	Papain
82786	Phthalic Anhydride
82771	Silk
82772	Silk, Wild
82615	Sunflower
82620	Tobacco
82867	Trimellitic Anhydride, TMA

Parasites	
82857	Anisakis
82764	Ascaris
82763	Echinococcus

Trees	
82757	Acacia
82671	Alder, Grey
82730	Ash, White
82669	Beech
82674	Birch, Silver
82876	Box Elder/Maple
82482	Cedar
82865	Cedar, Japanese
82668	Cedar, Mountain
82607	Chestnut
82748	Cottonwood
82722	Cypress, Bald
82481	Date
82392	Elder
82672	Elm
82758	Eucalyptus
82485	Fir, Douglas
82670	Hazelnut
82719	Hickory, White
82484	Horn Beam
82862	Linden
82724	Melaleuca leucadendron
82776	Mesquite
82864	Mulberry
82673	Oak
82733	Olive
82863	Palm, Queen
82803	Pine, Australian
82729	Pine, White
82784	Privet
82394	Spruce
82483	Sweet Gum
82721	Sycamore, Eastern
82732	Walnut
82731	Willow

Weeds	
82802	Cocklebur
82679	Daisy, Ox-eye
82694	Dandelion
82701	Elder, Rough Marsh
82704	English Plantain
82735	Firebush (Kochia)
82717	Goldenrod
82682	Lamb's Quarters
82613	Lupin
82683	Mugwort
82734	Nettle
82877	<i>Parietaria judaica</i> (Wall Pellitory)
82549	<i>Parietaria officinalis</i> (Wall Pellitory)
82723	Pigweed, Rough
82684	Ragweed, False
82685	Ragweed, Giant
82667	Ragweed, Short
82666	Ragweed, Western
82616	Rape Weed
82681	Russian Thistle
82716	Scale
82737	Sorrel, Red
82611	Sugarbeet
82680	Wormwood

Panel Tests (A pooled reagent is used to obtain one screening result per panel.)

81709	Epithelia #1 Cat Epithelium Cow Epithelium Dog Dander Horse Epithelium	81868	Food - Nut #2 Cashew Pecan Pistachio Walnut	81708	Grass #3 Cultivated Rye Rye Grass Sweet Vernal Grass Timothy Grass Velvet Leaf	81704	Tree #3 Cottonwood Elm Grey Adler Hazelnut Willow
81881	Epithelia #2 Guinea Pig Epithelium Hamster Epithelium Mouse Epithelium Rabbit Epithelium Rat Epithelium	81874	Food Panel Codfish Egg White Milk Peanut Soybean Wheat	81877	House Dust Cockroach Dermatophagoides farinae Dermatophagoides pteronysinus Hollister-Stier	81705	Tree #4 Acacia Eucalyptus Melaleuca leucadendron Olive Pine, White Willow
81879	Feather #1 Budgerigar Feathers Canary Feathers Finch Feathers Parrot Feathers	86207	Food Panel 2 Cabbage Spinach Tomato Paprika	81878	Mold <i>Alternaria tenuis</i> <i>Aspergillus fumigatus</i> <i>Candida albicans</i> (Monilia) <i>Cladosporium herbarum</i> <i>Helminthosporium halodes</i> <i>Penicillium chrysogenum</i>	81882	Weed #1 English Plantain Lamb's Quarters Mugwort Russian Thistle Short Ragweed
81880	Feather #2 Chicken Feathers Duck Feathers Goose Feathers Turkey Feathers	81875	Food - Seafood Blue Mussel Codfish Salmon Shrimp Tuna	81870	Occupational #2 Isocyanate HDI Isocyanate MDI Isocyanate TDI Phthalic Anhydride	81883	Weed #2 English Plantain Lamb's Quarters Mugwort Red Scale Wester Ragweed
81869	Food - Fruit Apple Banana Peach Pear	81871	Food - Vegetable Broccoli Carrot Corn Green Pea White Bean	81886	Tree #1 Birch, Silver Box Elder/Maple Elm Oak Walnut	81884	Weed #3 English Plantain Lamb's Quarters Red Sorrel Russian Thistle
81872	Food - Grain Barley Rice Rye Wheat	81706	Grass #1 June Meadow Fescue Orchard Grass Rye Grass Timothy Grass	81703	Tree #2 Cedar, Mountain Cottonwood Elm Mesquite Oak	81885	Weed #4 Giant Ragweed Short Ragweed Wester Ragweed
81873	Food - Meat Beef Chicken Pork Turkey	81707	Grass #2 Bahia Bermuda Johnson June Rye Grass Timothy Grass				
81876	Food - Nut #1 Almond Brazil Nut Coconut Hazel Peanut						

Profile Tests

(Separate results given for each test)

31768	Dairy and Grain Egg White Milk Oat Soybean Wheat
31767	Northeast Regional Allergens Oak Timothy Grass June Grass Short Ragweed Lambs Qtr Cat Epithelium Dog Dander <i>Alternaria tenuis</i> <i>Cladosporium herbarum</i> House Dust Mites, <i>D. farinae</i>
31769	Non-seasonal Inhalants Cat Epithelium Dog Dander <i>Penicillium chrysogenum</i> <i>Aspergillus fumigatus</i> <i>Alternaria tenuis</i> <i>Cladosporium herbarum</i> House Dust - Greer Lab & H-S Lab House Dust Mites <i>D. pteronyssinus</i> & <i>D. farinae</i>
31771	Nuts Almond Sesame Seed Peanut Pecan Coconut
31770	Seafood Codfish Crab Shrimp Tuna Lobster
31766	Seasonal Inhalants Rye Grass June Grass Short Ragweed Oak English Plantain Elm Lambs Qtr Box Elder/Maple Timothy Grass Silver Birch
31765	Stinging Insects Honeybee Venom Wasp Venom White Faced Hornet Venom Yellow Faced Hornet Venom Yellow Jacket Venom
83345	Pediatric Allergy Screen <3 years Egg White House Dust Mites/D.F. Milk Soybean Wheat
83346	Pediatric Allergy Screen 3 - 8 years <i>Alternaria tenuis</i> Cat Epithelium House Dust Mites/D.F. Egg White Short Ragweed Timothy Grass
83347	Pediatric Allergy Screen >8 years <i>Alternaria tenuis</i> Cat Epithelium House Dust Mites/D.F. Short Ragweed Timothy Grass