



Canine/ Feline Allergen Specific IgE Assay

Cat. # V4-908

Intended Use:

To qualify and quantify allergen specific Immunoglobulin E (IgE)

Principle of Procedure:

Solid phase capture sandwich ELISA assay using an allergen coated microwell format.

Shelf Life:

The expiration date for the package and each component is stated on the label(s). Store all components at 2°- 8° degrees C. Do not freeze all or in part.

Specimen Dilution:

Dilute each serum or plasma specimen to be tested 1:5 with the specimen diluent provided.

Materials Supplied:

Two allergen coated microwell strip plates (12 x 8) with plastic frame
Two 60mL vials of specimen diluent green
Two 60mL vials of 15X wash buffer concentrate
Two 12mL vials of rabbit anti-canine/feline IgE (blue solution)
Two 12mL vials of HRP conjugated goat anti-rabbit IgG (red solution)
One 30 mL vial of TMB/ peroxide color developer
Two 12 mL vials of sulfuric acid termination reagent (0.5N)

Limitations of the Procedure:

No single assay should be used as the only basis for arriving at a diagnostic conclusion.

Reproducibility:

C.V. 6%-10% depending upon the region of the standard curve.

Assay Procedure:

*Allow each reagent to reach room temperature before use, dilute specimen and incubate at 4°C for 18 - 24 hours before use

1. Arrange the microwell strips in plastic frame according to schematic provided
2. Add 100uL of diluted specimen to each microwell

3. Incubate at room temperature for 2 hours
4. Decant and wash each microwell five times with wash buffer (dilute buffer 1:15 with reagent grade water)
5. Add 100uL of R-3 (blue solution) and then 100 uL of R-4 (red solution) to each well
6. Incubate at room temperature for 3 hours
7. Decant and wash as in step 4
8. Add 100uL of TMB/peroxide substrate and incubate at room temperature for 30 minutes
9. Terminate the reaction with 100uL of 1.0N sulfuric acid
10. Zero plate reader on the negative control well
11. Read with a standard microwell plate reader at 450 nm
12. Interpret results with the following scoring scheme:

Interpretation of Results:

O.D. at 450nm

0.000-0.250

0.250-0.350

0.350-0.450

0.450-0.550

>0.550

Class:

Class 0 (Negative)

Class I (Equivocal)

Class II (True Positive)

Class III

Class IV

Allergens Available: (other allergens available upon request)

INHALANT ALLERGENS:

A. alternata	Eastern White Pine	Oat Grass
A. vulgaris (Mugwort)	European Filbert	Orchard Grass
Abisidia ramosa	English Plantain	Ox-Eye Daisy
Acacia	English Walnut	P. communis
Ambrosia psilostarch	Epicoccum	P. pululans
American Beech	F. oxysporum	Paristaria
American Elm	Elm Fescue	Penicillium chrysogenum
American Hazelnut	Fire Ant	Penicillium notatum
Aspergillus niger	Fleas	Phoma glomerata
Aspergillus repens	Fuarium	Pigeon Droppings
Aspergillus terreus	G. candidum	Pigsweed
Aureobasidium pullularia	German Cockroach	Poplar
Bahai Grass	Giant Ragweed	Pyrethrum
Baker's Yeast	Giant Wild Rye	Queen Palm
Bent Grass	Goat Hair	Rabbit Epithelial
Bermuda Grass	Goose Feathers	Ragweed
Birch	Guinea Pig Hair	Rat Epithelial
Black Locust	H. velgare (Barley)	Red Mulberry
Black Oak	Hamster Epithelial	Red Oak
Black Willow	Helminthosporium sativum	Redtop
Blue Gum	Hickory	Reed's Canary grass
Botrytis	Honey Myrtle	Rhizopus nigricans
Box Elder	Horse Dander	Roughmarsh Elder
Brewers Yeast	House Dust	Russian Thistle

Brome
Brown Cockroach
C. Goldenrod
C. hormodendrum
C. lunata
Candida albicans
Cat Hair
Cattle Hair
Chicken Feathers
Cladosporium
Cocklebur
Common Reed
Cotton
Cottonwood
Cultivated Wheat
Curvularia
Curvularia lunata
Dust mite
Dandelion
Dog Dander
Dog Hair
Duck Feathers

Human Hair
Italian Cypress
Johnson Grass
June Grass
Kapoc
Kochia
Lamb's Quarters
M. canis (ringworm)
Malaleuca
Meadow Foxtail
Mesquite
Mimosa
Mites (D. farinae)
Mites (D. pteronyssinus)
Mixed Feathers
Mixed Ragweed
Mouse Epithelial
Mt. Cedar
Mucor mucedo
Mugwort
Nettle
Nigrospora

Rye Grass (perennial)
S. aureus
Sage Brush
Sheep Sorrel
Sheeps Wool
Short Ragweed
Smooth Alder
Spadicoides
Stemphylium b.
Sugar Maple
Sweet Vernal Grass
Sycamore
T. aestivum (wheat pollen)
T. canus (gut parasite)
T. pisiformis (tapeworm)
T. vulpis (gut parasite)
Timothy
Trichoderma veride
Trichothecium
Velvet Grass
White Ash
Wormwood

FOOD ALLERGENS:

Alfalfa
Alfalfa Meal
Almond
Apple
Atlantic Blue
Bacon
Barley
Bean Sprouts
Beef
Beet Pulp
Black Pepper
Brewers Yeast
Broccoli
Buckwheat
Cabbage
Canola Meal
Carrot
Casein
Celery
Cheddar Cheese
Chicken
Chocolate
Clam
Cocoa

Haddock
Honeydew Melon
Kiwi Fruit
Lactalbumin
Mussel Lamb
Lettuce
Liver
Lobster
Mango
Millet
Mushroom
Navy Bean
Oat
Olive
Onion
Orange Pekoe Tea
Orange
Parsley
Pea
Peaches
Peanut
Pear
Pecan
Pinto Bean

Tomato
Tuna
Turkey
Vanilla Bean
Venison (Odecoileus)
Walnut
Wheat
White Bean
White Potato

Cod
Coffee
Corn
Corn Gluten Meal
Cottonseed Meal
Crab
Cultivated Oats
Dry Milk
Egg White
Egg Whole
Egg Yolk
Fish Meal
Flaxseed Meal
Flounder
Garlic

Pork
Poultry
Raw Sunflower
Rice
Rye
Salmon
Seaweed
Scallop
Soybean
Shrimp
Strawberry
Sugar Beets
Sunflower Meal
Sweet Potato

GENTAUR