IMMUNOSPEC CORPORATION

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CE

Human Allergen Specific IgA Assay

REF

Catalog No. E4-001

IVD

For Research Use Only

Intended Use:
To quantitate human Immunoglobulin A (IgA) specific for common allergens.

Principle of Procedure:
Solid phase capture sandwich ELISA assay using allergen coated microwells (over 400 types available).

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.

Patient and Standard Dilutions:
Dilute each serum or plasma specimen to be tested 1:10 with the Specimen Diluent provided. Use Specimen Diluent alone as a zero control or blank.

Materials Supplied:
Allergen coated microwell strips 8X12 with plastic frame
HRP conjugated goat anti-human IgA -12mL
TMB/peroxide substrate color developer – 12mL
Specimen Diluent – 2X 60mL
Sulfuric acid termination reagent (0.5N) – 12mL
15 X Wash buffer concentrate – 60mL

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

Dynamic Range:
0.00 - 5.6 mg/mL

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

Assay Procedure:
*****Allow each reagent to reach room temperature before use
1. Add 100uL of *diluted* specimen to each microwell
2. Incubate at room temperature for 60 minutes
3. Decant and wash each microwell four times with wash buffer (dilute buffer 1:15 with reagent grade water)
4. Add 100uL of HRP conjugated goat anti-human IgA to each well
5. Incubate at room temperature for 60 minutes
6. Decant and wash as in "step 3".
7. Add 100uL of TMB/peroxide substrate and incubate at room temperature for 30 minutes
8. Terminate the reaction with 100uL of 0.5N sulfuric acid
9. Zero the microwell reader at 450nm using the specimen diluent zero control well
10. Determine the optical density (O.D.) of the remaining wells

Interpretation of Results:

O.D. @450nm:	Class:
0.000-0.250	**Class 0**
0.250-0.350	**Class I (Equivocal)**
0.350-0.450	**lass II (True Positive)**
0.450-0.550	**Class III**
>0.550	**Class IV**

EC REP **European Authorized Representative:**
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Manufacturer:
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PIE4-005
Effe: Apr-2007

Allergens Available: (other allergens available upon request)

INHALANT ALLERGENS:

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

Dandelion
Dog Dander
Dog Hair
Duck Feathers
Mucor *mucedo*
mugwort
Nettle
Nigrospora
Trichothecium
Velvet Grass
White Ash
Wormwood

FOOD ALLERGENS:

Alfalfa
Alfalfa Meal
Almond
Apple
Atlantic Blue Mussel
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
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
Haddock
Honeydew Melon
Kiwi Fruit
Lactalbumin
Lamb
Lettuce
Liver
Lobster
Mango
Millet
Mushroom
Navy Bean
Oat
Olive
Onion
Orange Pekoe Tea
Orange
Parsley
Pea
Peaches
Peanut
Pear
Pecan
Pinto Bean
Pork
Poultry
Raw Sunflower
Rice
Rye
Salmon
Seaweed
Scallop
Soybean
Shrimp
Strawberry
Suger Beets
Sunflower Meal
Sweet Potato
Tomato
Tuna
Turkey
Vanilla Bean
Venison (Odecoileus)
Walnut
Wheat
White Bean
White Potato