



7018 Owensmouth Ave. Suite 103
 Canoga Park, CA 91303
 Tell : (818)710--1281
 Fax : (818)936-0121
 Email:Info@immunospec.com
www.immunospec.com

Human Allergen Specific IgM Assay



Intended Use:

To quantitate human allergen specific Immunoglobulin M (IgM)

Principle of Procedure:

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

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 initially 1:10 using the Specimen Diluent provided. e.g. 10ul of specimen into 90 ul Specimen Diluent. Use the Specimen Diluent alone as the Zero or Blank control well.

Materials Supplied:

- Allergen coated microwell strips 8X12 with plastic frame (**over 400 allergens available**)
- HRP conjugated goat anti-human IgM -12mL
- IgM standard (pre-diluted 1:10,000)
- TMB/peroxide substrate color developer -12mL

- IgM specimen diluent - 2x60mL
- 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:

0.20 mg/mL to 2.56 mg/mL.

Reproducibility:

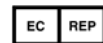
C.V. 6%-10% depending upon the region of the standard curve.

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 wash buffer 1:15 with reagent grade water prior to use)
- 4. Add 100uL of HRP conjugated goat anti-human IgM 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. at 450nm | Class: |
| 0.000-0.250 | Class 0 (Negative) |
| 0.250-0.350 | Class I (Equivocal) |
| 0.350-0.450 | Class II (True Positive) |
| 0.450-0.550 | Class III |
| >0.550 | Class IV |



European Authorized Representative:
 CEpartner4U , Esdoornlaan 13, 3951DB Maarn
 . The Netherlands. Tel.: +31 (0)6.516.536.26



Manufacturer:
 IMMUNOSPEC CORPORATION
 7018 Owensmouth Ave. Suite 103
 Canoga Park, CA, 91303
 Phone: 818-710-1281
 Fax: 818-936-0121

INHALANT ALLERGENS:

| | | | |
|---------------------------------|-----------------------------------|------------------------------------|-------------|
| <i>A. alternata</i> | Eastern White Pine | Oat Grass | Yellow Dock |
| <i>A. vulgaris</i> (Mugwort) | European Filbert | Orchard Grass | Yellow Pine |
| <i>Abisidia ramosa</i> | English Plantain | Ox-Eye Daisy | |
| Acacia | English Walnut | <i>P. communis</i> | |
| <i>Ambrosia psilostarch</i> | Epicoccum | <i>P. pululans</i> | |
| American Beech | <i>F. oxysporum</i> | Paristaria | |
| American Elm | Fescue | <i>Penicillium chrysogenum</i> | |
| American Hazelnut | Fire Ant | <i>Penicillium notatum</i> | |
| <i>Aspergillus niger</i> | Fleas | <i>Phoma glomerata</i> | |
| <i>Aspergillus repens</i> | Fuarium | Pigeon Droppings | |
| <i>Aspergillus terreus</i> | <i>G. candidum</i> | Pigsweed | |
| <i>Aureobasidium pullularia</i> | 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 | <i>H. velgare</i> (Barley) | Red Mulberry | |
| Black Oak | Hamster Epithelial | Red Oak | |
| Black Willow | <i>Helminthosporium sativum</i> | Redtop | |
| Blue Gum | Hickory | Reed's Canary grass | |
| Botrytis | Honey Myrtle | <i>Rhizopus nigricans</i> | |
| Box Elder | Horse Dander | Roughmarsh Elder | |
| Brewers Yeast | House Dust | Russian Thistle | |
| Brome | Human Hair | Rye Grass (perennial) | |
| Brown Cockroach | Italian Cypress | <i>S. aureus</i> | |
| <i>C. Goldenrod</i> | Johnson Grass | Sage Brush | |
| <i>C. hormodendrum</i> | June Grass | Sheep Sorrel | |
| <i>C. lunata</i> | Kapoc | Sheeps Wool | |
| <i>Candida albicans</i> | Kochia | Short Ragweed | |
| Cat Hair | Lamb's Quarters | Smooth Alder | |
| Cattle Hair | <i>M. canis</i> (ringworm) | Spadicoides | |
| Chicken Feathers | Malaleuca | Stemphylium b. | |
| Cladosporium | Meadow Foxtail | Sugar Maple | |
| Cocklebur | Mesquite | Sweet Vernal Grass | |
| Common Reed | Mimosa | Sycamore | |
| Cotton | Mites (<i>D. farinae</i>) | <i>T. aestivum</i> (wheat pollen) | |
| Cottonwood | Mites (<i>D. pteronyssinus</i>) | <i>T. canus</i> (gut parasite) | |
| Cultivated Wheat | Mixed Feathers | <i>T. pisiformis</i> (tapeworm) | |
| Curvularia | Mixed Ragweed | <i>T. vulpis</i> (gut parasite) | |
| Curvularia <i>lunata</i> | Mouse Epithelial | Timothy | |
| Dust mites | Mt. Cedar | <i>Trichoderma veride</i> | |
| | <i>Mucor racemosus</i> | <i>Trichophyton mentagrophytes</i> | |

| | | |
|---------------|---------------------|---------------|
| Dandelion | Mucor <i>mucedo</i> | Trichothecium |
| Dog Dander | mugwort | Velvet Grass |
| Dog Hair | Nettle | White Ash |
| Duck Feathers | Nigrospora | Wormwood |

FOOD ALLERGENS:

| | | |
|----------------------|------------------|-------------------------------|
| Alfalfa | Haddock | Tomato |
| Alfalfa Meal | Honeydew Melon | Tuna |
| Almond | Kiwi Fruit | Turkey |
| Apple | Lactalbumin | Vanilla Bean |
| Atlantic Blue Mussel | Lamb | Venison (<i>Odocoileus</i>) |
| Bacon | Lettuce | Walnut |
| Barley | Liver | Wheat |
| Bean Sprouts | Lobster | White Bean |
| Beef | Mango | White Potato |
| Beet Pulp | Millet | |
| Black Pepper | Mushroom | |
| Brewers Yeast | Navy Bean | |
| Broccoli | Oat | |
| Buckwheat | Olive | |
| Cabbage | Onion | |
| Canola Meal | Orange Pekoe Tea | |
| Carrot | Orange | |
| Casein | Parsley | |
| Celery | Pea | |
| Cheddar Cheese | Peaches | |
| Chicken | Peanut | |
| Chocolate | Pear | |
| Clam | Pecan | |
| Cocoa | Pinto Bean | |
| Cod | Pork | |
| Coffee | Poultry | |
| Corn | Raw Sunflower | |
| Corn Gluten Meal | Rice | |
| Cottonseed Meal | Rye | |
| Crab | Salmon | |
| Cultivated Oats | Seaweed | |
| Dry Milk | Scallop | |
| Egg White | Soybean | |
| Egg Whole | Shrimp | |
| Egg Yolk | Strawberry | |
| Fish Meal | Suger Beets | |

Flaxseed Meal

Flounder

Garlic

Sunflower Meal

Sweet Potato