



DIAGNOSTIC AUTOMATION, INC.

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IVD



See external label



2°C-8°C



Σ=192 tests

REF

Cat # 1807-9

Human Allergen Specific IgA

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Test	Human Allergen Specific IgA ELISA
Method	ELISA: Enzyme Linked Immunosorbent Assay
Principle	Peroxidase – Conjugated ELISA
Detection Range	Class I –Class IV
Sample	10µl serum
Specificity	N/A
Sensitivity	N/A
Total Time	~120
Shelf Life	12-14 months

** Laboratory results can never be the only base of a medical report. The patient history and further tests have to be taken into account*

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

Shelf Life

The expiration date for the package and each component is stated on the label(s). Store components at 2-8°C.

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

1. Allergen coated microwell strips 12x8 with plastic frame
2. HRP conjugated goat anti-human IgA -12mL
3. TMB/peroxide substrate color developer -12mL
4. IgA specimen diluent (Specimen Diluent Green II) -1 x 60mL
5. Sulfuric acid termination reagent (0.5N) -12mL
6. 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. For research use only.

Assay Procedure

*Allow each reagent to reach room temperature before use

1. Add 100uL of *diluted* specimen or standard 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:

<u>O.D. @450nm:</u>	<u>Class:</u>
0.000-0.250	Class 0
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

Date Adopted	Reference No.
2005-09-27	DA-Human Allergen Specific IgG-2009



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