

AccuDiag™ Human Allergen Specific IgG ELISA Kit

Cat# 1809-9



Test	Human Allergen Specific IgG
Method	Enzyme Linked Immunosorbent Assay
Principle	Sandwich Complex
Detection Range	Class I - Class IV
Sample	10 µL serum/ plasma
Specificity	N/A
Sensitivity	N/A
Total Time	~ 105 min.
Shelf Life	12-14 Months from the manufacturing date

INTENDED USE

To quantitate total human Immunoglobulin G (IgG) Specific for Common Allergens

TEST PRINCIPLE

Solid phase capture sandwich ELISA assay using a microwell format.

Patient and Standard Dilutions:

Dilute each serum or plasma specimen to be tested **1:100** in the Specimen Diluent provided e.g. 10ul of specimen into 990ul of Specimen Diluent.

MATERIALS AND COMPONENTS

Materials provided with the test kits

- 2-Allergen coated microwell strips 12x8 with plastic frame
- 2-HRP conjugated goat anti-human IgG-12mL
- 2-TMB/peroxide substrate color developer –12mL
- IgG Specimen Diluent 1x 60 mL
- 2-Sulfuric acid termination reagent (0.5N) –12mL
- 15 X Wash buffer concentrate – 60mL

ASSAY PROCEDURE

*Allow each reagent to reach room temperature before use

- Add 100uL of *diluted* specimen to each microwell
- Incubate at room temperature for 45 minutes
- Decant and wash each microwell four times with wash buffer (dilute buffer 1:15 with reagent grade water)
- Add 100uL of HRP conjugated goat anti-human IgG to each well
- Incubate at room temperature for 45 minutes
- Decant and wash as in step 3

- Add 100uL of TMB/peroxide substrate and incubate at room temperature for 15 minutes
- Terminate the reaction with 100uL of 0.5N sulfuric acid
- Zero the microwell reader at 450nm using the specimen diluent zero control well
- Determine the optical density (O.D.) of the remaining wells
- Optical Densities are interpolated into Classes:

RESULTS



O.D.@450nm	Class
0.000-0.250	Class O (Negative)
0.250-0.350	Class I (Equivocal)
0.350-0.450	Class II
0.450-0.550	Class III
>0.550	Class IV

LIMITATIONS OF PROCEDURE

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

Shelf Life

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

	
 Diagnostic Automation/ Cortez Diagnostics, Inc. 23961 Craftsman Road, Suite E/F, Calabasas, California 91302 USA	
Date Adopted	Cat # 1809-9
2013-05-09	AccuDiag™- Human Allergen Specific IgG ELISA -2013
Revision B Date: 10-28-2013	