YSENZDX

HUMAN DIAGNOSTICS

Allergen Specific IgE Ab Test Kit

Wisenz Biotech Limited

Shenzhen, China & Hong Kong SAR

info@ysenzdiagnostix.com

https://ysenzdiagnostix.com/

WhatsApp +86 199 1906 8581

YSENZDX

Allergen Specific IgE Antibody Test kit

Micro
sample volume

Multiple
sample coverage

Instant result
in **10** min

Detection of
20+ common allergens

Allergic Diseases

Allergic diseases are chronic conditions triggered by the body's abnormal immune response to allergens. They can significantly impact an individual's daily life, including sleep, work, social interactions, and overall physical well-being. Furthermore, allergic diseases can affect multiple systems throughout the body, causing damage to various systems and organs, including allergic asthma, allergic rhinitis, allergic conjunctivitis, urticaria (hives), and atopic dermatitis. These conditions can progress rapidly, with symptoms often appearing within minutes to hours after exposure to an allergen. If not treated promptly, severe cases can even become life-threatening.

Significance of Allergen Specific IgE Antibody Testing

Allergen Specific IgE Antibody Testing is the First Step in Diagnosing Allergic Diseases.

Immunoglobulin E (IgE) is a key antibody mediating Type I hypersensitivity reactions and is present in very low levels in the serum of healthy individuals. Detecting elevated levels of specific IgE (sIgE) against a particular allergen indicates that the patient is in a state of "sensitization" to that allergen.

Precise Differentiation Between Allergies and Diseases with Similar Symptoms

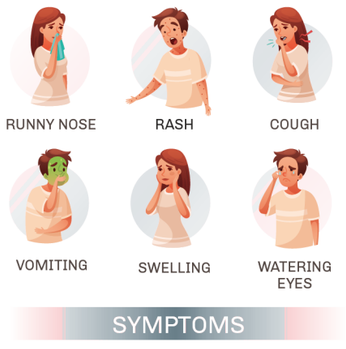
Many conditions (such as chronic diarrhea, urticaria) present symptoms similar to allergies, but their causes and treatment principles are completely different. Testing for sIgE can clarify whether symptoms are caused by an IgE-mediated allergic reaction, helping to avoid misdiagnosing conditions like lactose intolerance or autoimmune diseases as allergies, and preventing delays in proper allergy treatment.

Assessing Disease Severity and Risk Stratification

The concentration of sIgE antibodies correlates positively with the severity of clinical reactions, enabling risk stratification management.

Reducing Healthcare Resource Consumption

It helps decrease repeated doctor visits and hospitalizations caused by misdiagnosis, shortens the time required for diagnosis, and improves patient satisfaction.



Product Advantages

Comprehensive: Offers a variety of food or inhalant allergen panels covering common allergens.

Flexible: Comprehensive coverage of serum, plasma, and whole blood. Microperipheral blood testing offers greater flexibility.

Rapid: A true point-of-care testing (POCT) product that delivers results immediately upon completion of the independent testing process, with results available in as little as 10 minutes.

Target Population for Testing

- Patients with allergic dermatitis (eczema)
- Patients with allergic rhinitis
- Patients with urticaria (hives)
- Patients with food allergies
- Patients with allergic asthma
- Individuals who have experienced anaphylactic shock
- Individuals concerned about having an allergic constitution
- Children aged 5 years and above

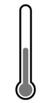
Product Information

Product Description	Methodology	Sample Type	Packing	Validity	Storage
Allergen Specific IgE Test Kit	Western blotting	Whole Blood Serum Plasma	1T/Box 2T/Box 10T/Box	12 Months	2-30℃

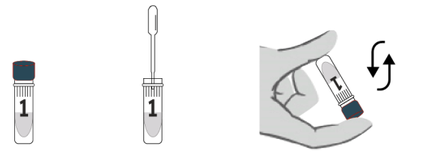
Test Procedures

Take out the kit and balance at room temperature for 20-30 minutes.

20-30 minutes



20-30℃



Add 10μL of serum/plasma, or 20μL of whole blood in to tube 1, shake well.

Pour tube 1 into the reaction area, gently shake the plate to evenly distribute the liquid, and wait for the liquid to be fully absorbed. Repeat the operation for tubes 2 -5.

Pour tube 6 into the reaction area, gently shake the plate to evenly distribute the liquid, and wait for 3 minutes after the liquid is fully absorbed.

3 minutes

Pour tube 7 into the reaction area, gently shake the plate to evenly distribute the liquid, and observe the results immediately after the liquid is fully absorbed. The results are valid within 3 minutes.

Result Interpretation

Compare bands in detection area with provided colorimetric card. The interpretation standard is provided as follows:

Grade	0	1	2	3	4	5	6
	-	+		+ +		+ + +	
Strip Characteristics	No or very weak bands	Faint bands		Moderate color bands		Strong color bands	