

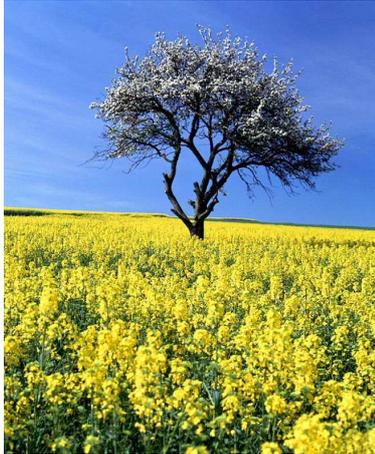
# ALLERGYZEN

## IgE Total & IgE Specific

Determination of **Total** and **Specific IgE** by capture ELISA procedure in adult, pediatric and neonatal subjects



ZenTech



ALLERGYZEN  
a diagnostic  
platform for  
ALLERGY

ALLERGYZEN concept is an automated approach for **allergy diagnostic** field which innovates in numerous aspects :

- ▶ Determination of **Total** and **Specific IgE** tested simultaneously
- ▶ Common reagents for all parameters
- ▶ Biotinylated allergens in a liquid form
- ▶ Easy manual use with the light microplate table specially designed for easier dispensing of reagents



### More than 300 allergens available



GRASSES



WEEDS



TREES



FOOD



INSECTS &  
VENOMS



ANIMAL



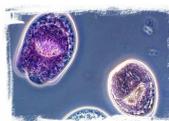
MITES  
HOUSE DUST



DRUGS



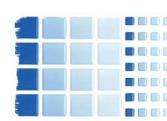
MOULDS



PARASITES



OCCUPATIONAL



MIXES

- Easy handling and short technique
- Assay calibrated against the WHO 2<sup>nd</sup> IRP 75/502
- All reagents are liquid, ready-to-use and suitable to automation

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## ALLERGY

The term allergy is used to describe a response, within the body, to a substance, called allergen, which is not necessarily harmful in itself, but results in an immune response by producing a special type of antibody IgE and a reaction that causes symptoms and disease in a predisposed person, which in turn can, cause inconvenience or a great deal of misery. This new assay for the determination of the IgE Specific and Total, is based on the principle of the REAST (Reverse Enzyme Allergo Sorbent Test).

This procedure has consistent advantages : in fact the capture reagent (anti-IgE microplate) is the same supplied for the kit for the detection of allergen-specific IgE.

As a consequence, **it is possible to test simultaneously, with the same capture efficiency, the specific allergen and total IgE.**

### ALLERGYZEN IgE Total

ALLERGYZEN IgE Total measures the quantitative amount of total IgE in human serum or plasma. IgE antibodies are produced by the body as a result of repeated allergenic stimulation. High levels of circulating total IgE are usually associated with allergy. Measuring total IgE levels provides valuable information about the level of the total allergy load. Serum IgE levels progressively increase during the first year of life and continue to increase at a slow rate until it reaches adult levels.

### ALLERGYZEN IgE Specific

ALLERGYZEN IgE Specific measures IgE antibodies to specific allergens in human serum or plasma. Specific IgE appears in the body as the result of sensitization to an allergen and can be detected following exposure. Measuring circulating specific IgE helps identify provoking allergens, predict the risk of developing allergy in the future and guide clinical decisions.

See our complete allergens list at :

<http://www.zentech.be>



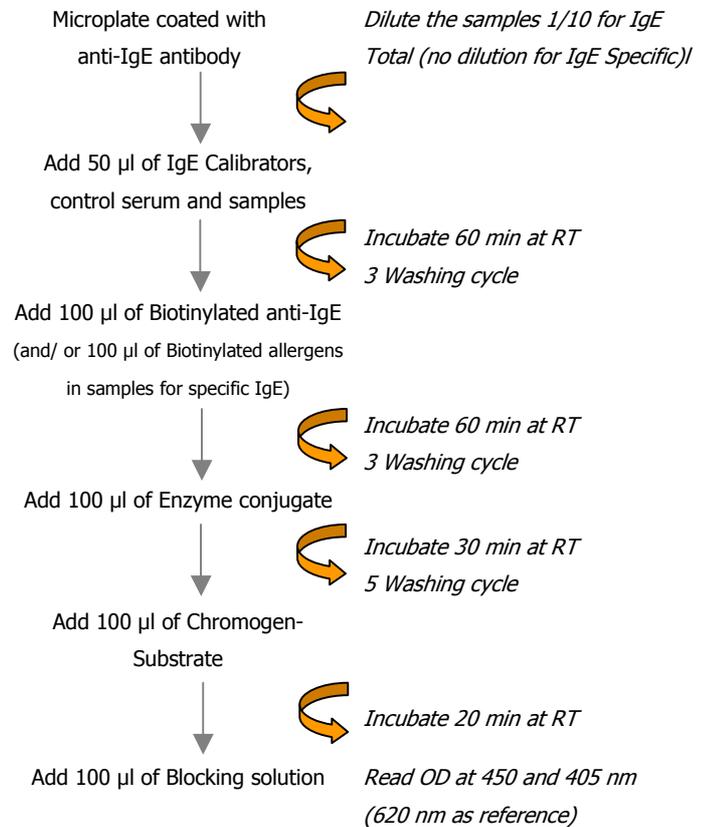
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## ASSAY DESCRIPTION

The method used in this kit is an ELISA based on the capture of IgE by a specific anti-human-IgE antibody and on subsequent reaction with an allergen conjugated with an enzyme, or, alternatively, with a biotinylated allergen and subsequent reaction with streptavidin-enzyme and chromogenic substrate. Being based on the capture of IgE, the REAST procedure is usable also to detect total IgE, using biotinylated anti-IgE instead of biotinylated allergens.

The test can be performed either by manual procedure or with automatic instrument.

## ASSAY SCHEME



## Ordering information

PRODUCT NAME	KIT	CODE	QUANTITY
ALLERGYZEN IgE TOTAL	IgE Total	M-ED-96	96 tests
ALLERGYZEN IgE SPECIFIC	Basic set	M-EF-96	96 tests
	Reference set	M-EG-96	96 tests
	Allergens	M-EH	24 tests