



A new solution for total IgE testing

Allergy

Total IgE levels in serum can be extremely elevated in patients suffering from allergic conditions, such as allergic rhinitis, extrinsic asthma, or atopic dermatitis. Other conditions that are associated with increased total IgE include parasite infections, allergic bronchopulmonary aspergillosis (ABPA), IgE myeloma and hyper IgE¹. An elevated total IgE level should prompt further investigations to determine specific IgE sensitivity.

A determination of the total IgE level in serum is required to identify patients suffering from allergic asthma and urticaria who would benefit from therapy with antihuman IgE¹.

Key features and benefits

- Traceable to the 2nd International Standard for Human IgE 75/502 of the WHO
- High correlation with the market leader
- Part of a growing range of allergy assays
- Fully automated

Specifications

Format	Automated chemiluminescence immunoassay (ChLIA)
Calibrators	Ready to use, two concentrations (1 x 1.2 mL each)
Controls	Ready to use, three concentrations (1 x 1.2 mL each)
Dynamic range	3 – 3000 kIU/L
Sample volume	10 µL (excluding dead volume)
Sample type	Human serum in SST or gel separator tubes
Reagent stability	After opening, the reagent cartridge may be stored on the system (on-board) for 28 days or at 2-8 °C for up to 90 days
Calibration stability	The calibration of the Total IgE assay is stable for a maximum of 30 days
Time to first result	40 minutes

Method comparison

IDS Total IgE vs ImmunoCAP® Total IgE

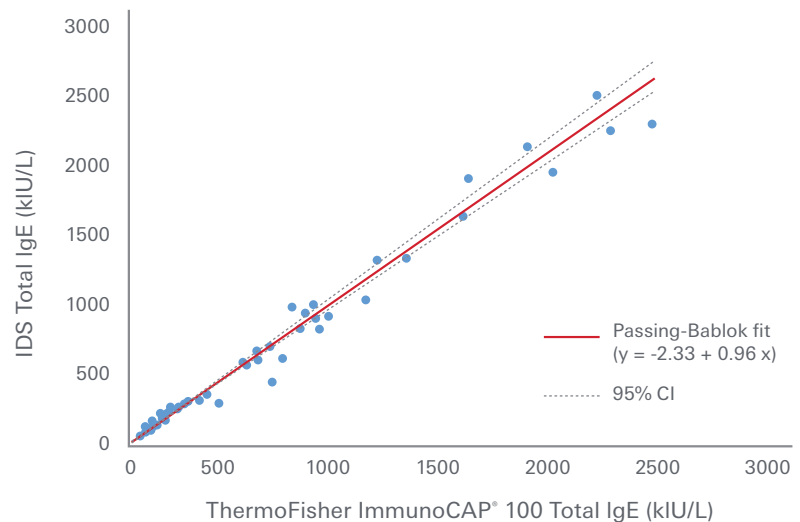
52 samples from patients in clinical routine were assessed in parallel with both the IDS Total IgE and the ThermoFisher ImmunoCAP® Total IgE.

IDS Total IgE (kIU/L) = $-2.33 + 0.96$
ImmunoCAP® 100 Total IgE (kIU/L)


95% CI of the slope: 0.92 to 1.00

95% CI of the intercept: -7.87 to 4.14

R: 0.99



Ordering information

 Product Name	Description	Code
IDS Total / Specific IgE Reagent Kit	Reagent cartridge: 50 Total IgE tests	IS-1TIGE900
IDS Total IgE Control Set	Control set: 3 concentrations	IS-1TIGE930

For specific IgE allergens see product catalogue

The IDS-iSYS is a versatile instrument for the processing of a wide variety of tests in the areas of autoimmunity, infectious disease, bone and calcium metabolism, hypertension, CKD-MBD, growth and fertility.

 Visit www.idsplc.com or www.euroimmun.com for more assays

References

1. Analytical Performance Characteristics, Quality Assurance, and Clinical Utility of Immunological Assays for Human Immunoglobulin E Antibodies of Defined Allergen Specificities. 3rd ed. CLSI report. I/LA20. Wayne, PA: Clinical Laboratory and Standards Institute, 2016.