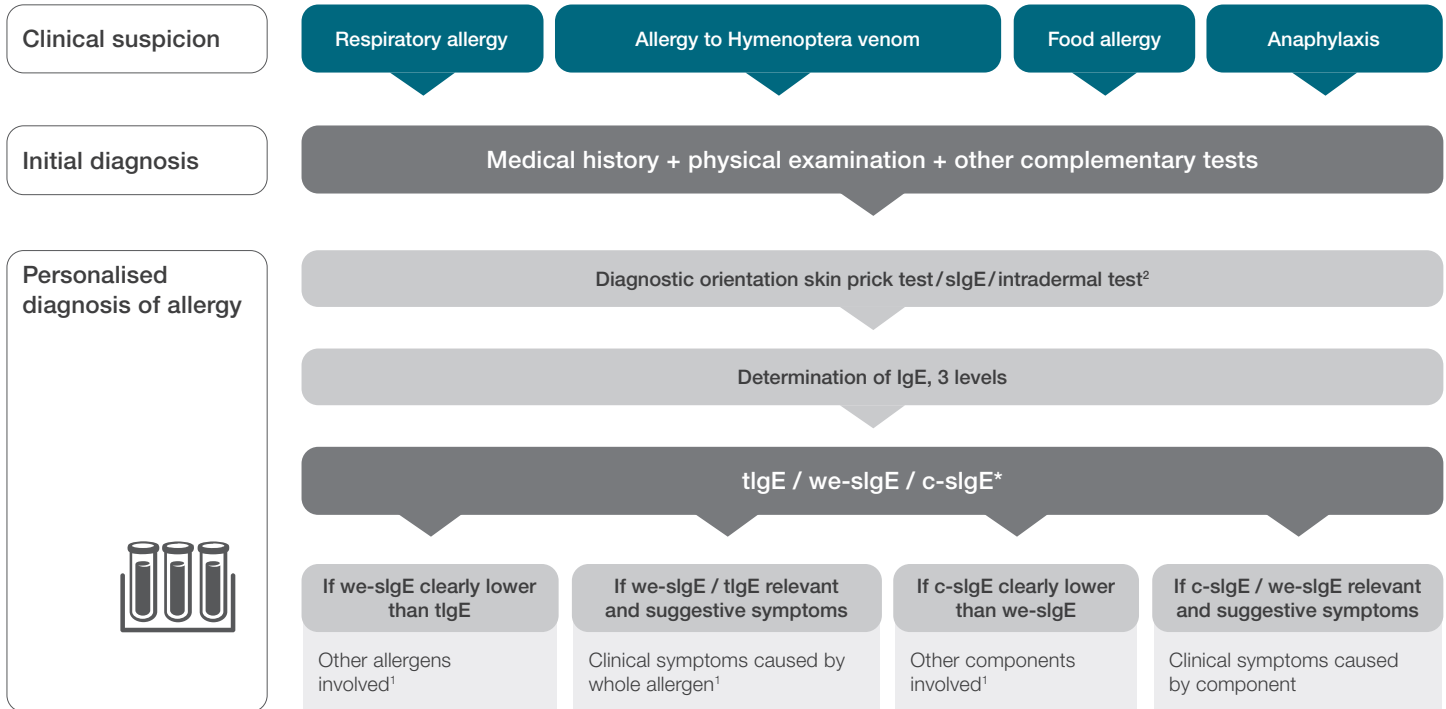


Ratio analysis

ThermoFisher
SCIENTIFIC

The power of ratio analysis is also supported
by INTEGRA publication¹



* tIgE: total serum immunoglobulin E, we-slgE: whole extract serum specific IgE, c-slgE: allergen molecule serum specific IgE ("c" stands for "component")

How to include ratios in clinical practice?

Authors recommendations (Delphi validated)¹

Ratio 1		$\frac{\text{we-sIgE}}{\text{tIgE}}$	Ratio 2		$\frac{\text{c-sIgE}}{\text{we-sIgE}}$
What to do?	Determine ratio 1 before clinical decision-making.		What to do?	Determine ratio 2 before clinical decision-making	
Why?	To evaluate of the extent sensitisation attributable to whole extract, before clinical decision.		Why?	To determine the involvement of a given allergic component, especially minor allergens	
How?		Using the same sIgE determination platform in both measurements			

Good to know!

The Delphi method entails use of a group technique that aims to obtain the most valid and reliable consensus from the panel of skillful and knowledgeable individuals by using a series of questionnaires. Delphi studies have been used in educational settings in predicting trends, standards and in forming guidelines.^{3,4}

References: **1.** Pascal M, et al. Integration of in vitro allergy test results and ratio analysis for the diagnosis and treatment of allergic patients (INTEGRA). Clin Transl Allergy 2021;e12052. **2.** Santos AF, et al. EAACI guidelines on the diagnosis of IgE-mediated food allergy 2023;78:3057-3076. **3.** Dalkey, N, et al. Management Science 1963;vol. 9, no. 3, 458-467 **4.** Green R. Sage Open 2014.

 Learn more at thermofisher.com/immunocap