

Perennial/seasonal allergic asthma

ImmunoCAP™ Specific IgE tests

Specific IgE blood testing helps to identify allergic triggers, and to confirm suspected allergies in asthmatic patients.^{1,2}

Who to test²

- Persistent asthmatics
- Preschool children with repeated wheeze

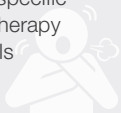
Patients needing²

- oral corticosteroids
- high-dose inhaled corticosteroids

Patients seeking to²

- understand their disease better
- get guidance on pets

Candidates for²

- allergen-specific immunotherapy
 - biologicals
- 

Why to test

Allergens are a major trigger in asthma.^{3,4}

Up to **90%** of children and **60%** of adults with asthma are sensitised to at least one specific allergen.^{3,4}



What to test

Global asthma guidelines recommend specific IgE testing after asthma diagnosis is confirmed.⁵⁻¹³

Specific IgE testing can assess whether your patient is sensitised to the most common aeroallergens associated with asthma, including:²

- House dust mites
 - Cat dander
 - Dog dander
 - Moulds
 - Pollens (e.g. grass or tree)
- 

How to test

Specific IgE blood tests can be requested through a local laboratory:

- Example specimen sample material: depending on allergens tested, e.g. 1.25 ml whole blood or 0.5 ml serum are sufficient for nine allergens^{14*}
 - Can be performed irrespective of age, skin condition, medication, symptoms, or pregnancy¹⁵⁻¹⁷
 - For further guidance contact your local Laboratory
- 

Patient management²

Positive test results in connection with physical examination and patient history enable an allergy diagnosis and targeted patient care:²

- Advice on allergens avoidance
- Appropriate symptomatic treatment
- Referral to a specialist, especially for allergen-specific immunotherapy

Negative test results help rule out allergies.²

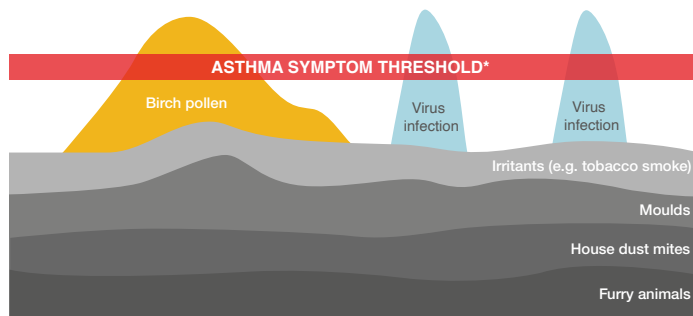


Note: As in all diagnostic testing, any diagnosis or treatment plan must be made by the clinician based on test results, individual patient history, the clinician's knowledge of the patient, as well as their clinical judgement.

* Please refer to your local laboratory for specific specimen sample requirements.

Multiple allergic triggers can add up to asthma symptoms^{11,18}

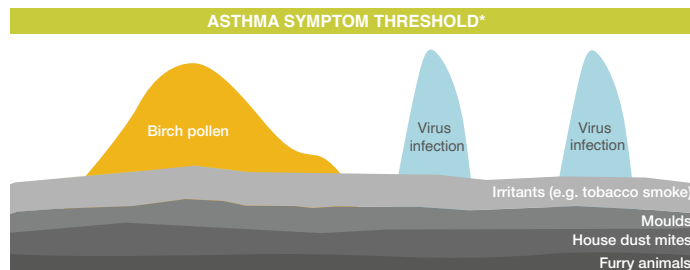
MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB



- Patient experiences symptoms when threshold* is exceeded.¹⁹
- An individual may have a number of triggers (average 3), which combined may lead to symptoms^{19,20}

Exposure reduction works to reduce asthma exacerbations²⁰

MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB



* Symptom threshold is the point at which the cumulative allergen load leads to asthma symptoms.¹⁹

References: 1. NICE Clinical Guideline CG116: Food allergy in under 19s: assessment and diagnosis. February 2011. 2. Casale TB et al. The Role of Aeroallergen Sensitization Testing in Asthma Management. *Allergy Clin Immunol Pract* 2020; 8:2526-2532. 3. 6. Hest A, Halken S. *Allergy* 2000; 55:600-608. 4. Allen-Ramey F, et al. *J Am Board Fam Pract* 2005; 18:434-439. 5. NICE Guideline NG80: Asthma diagnosis and monitoring of asthma in adults, children and young people. November 2017. 6. Demoly P, et al. *Journal of Asthma and Allergy* 2022;15 1069-1080 7. Halvorsen R, et al. *Int J Pediatr*. 2009; 460737 8. Duran-Tauleria E, et al. *Allergy*. 2004; 59 Suppl 78:35-41 9. Fiocchi A, et al. *Ann Allergy Asthma Immunol*. 2004 Oct; 93(4): 328-33 10. Paganelli R et al. *Allergy*. 1998; 53(8):763-8 11. Wickman M. *Allergy* 2005;60 (Suppl 79): 14-8 12. Pfaar O, et al. *Allergol Select*. 2022;6: 167-232. DOI 10.5414/ALX02331E 13. Venkatesan P. 2023 GINA report for asthma. *Lancet Respir Med*. 2023 Jul;11(7):589. doi:10.1016/S2213-2600(23)00230-8. Epub 2023 Jun 8. PMID: 37302397 14. Direction for Use 52-5291-EN, ImmunoCAP™ Specific IgE. 15. Siles RI, Hsieh FH. *Allergy blood testing: A practical guide for clinicians*. *Cleve Clin J Med*. 2011;78(9):585-592. 16. Bonnelykke K, et al. Sensitization does not develop in utero. *J Allergy Clin Immunol*. 2008;121(3):646-651. 17. Bacharier LB, et al. Diagnosis and treatment of asthma in childhood: a PRACTALL consensus report. *Allergy*. 2008;63(1):5-34. 18. Eggleston PA. *Immunol Allergy Clin North Am* 2003; 23:533-547 19. Wickman M. *Allergy* 2005; 60:14-18 20. Murray CS, et al. *Am J Respir Crit Care Med* 2017; 196:150-158.

 Learn more at thermofisher.com/immunocap

© 2023 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. Legal manufacturer: Phadia AB, Uppsala, Sweden 364451.AL.EU1.EN.v1.23



thermoscientific