

TECHNOLOGY BY

MAD
MACRO ARRAY DIAGNOSTICS



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First path.
Right path.

ALEX
ALLERGY XPLORER



ALEX³
300 ALLERGENS
COMPREHENSIVE. SPECIFIC. EFFICIENT.

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COMPREHENSIVE.
300 ALLERGENS.
107 EXCLUSIVE.

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ALLERGEN PANEL

The ALEX³ test includes both **allergen extracts** (like whole pollen) and **molecular allergens** (e.g., Der p 2). These two types don't interfere with each other – they complement each other to give a clearer and more comprehensive sensitization profile.

HIGH-RELEVANCE ALLERGEN SOURCES

e.g., animal dander, cereals, egg, legumes, milk, mites, molds, pollen, seafood, tree nuts, and venoms

85 ALLERGEN FAMILIES COVERED, INCLUDING

α-hairpinin (e.g., Mac i 1.0101 | macadamia)

Collagen (e.g., Sal s 6 | salmon – hidden allergen in food and non-food products)

Cyclophilin (e.g., Bet v 7 | birch – resolving cross-reactivities)

Myosin light chain (e.g., Pen m 3 | shrimp – resolving cross-reactivities to insects, chicken and other sources)

nsLTP (e.g., Can s 3 | hemp – resolving cross-reactivities between hemp and related allergen sources)

PR-10 (e.g., Que a 1 | oak)

Storage proteins (e.g., Pis s 1 | garden pea)

Thaumatin-like protein (e.g., Act d 2 | kiwi)

EXCLUSIVE MOLECULAR ALLERGENS, INCLUDING

Bet v 7, Birch pollen, panallergen

Der p 20, Dermatophagoides pteronyssinus, panallergen

Pers a 1, Avocado, major allergen and cross-reactive to other fruits and latex

Tri a 36 & Tri a 37, Wheat, risk stratification

Len c 1 & Len c 3, Lentil, risk stratification

Pru du 6, Almond, risk stratification

Api g 7, Celery, risk stratification and cross-reactive to mugwort pollen

Can s 3, Hemp, cross-reactive to other nsLTPs

Gal d 7, Chicken, major allergen from chicken

All MADx products are for Research Use Only in the United States and Canada.

SPECIFIC. 218 MOLECULAR ALLERGENS. QUANTITATIVE tIgE.

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QUANTITATIVE SPECIFIC IgE and TOTAL IgE

ALEX³ provides **quantitative results** for specific IgE and total IgE, allowing calculation of the **sIgE/tIgE ratio**.

BENEFITS OF MOLECULAR ALLERGENS

The use of molecular allergens instead of extracts offers a key advantage: it helps distinguish between allergic sensitizations that carry a high risk of severe reactions and those that are mostly harmless, even from the same source.

This is because molecular allergens provide more precise information, helping to identify exactly which parts of the allergen source are triggers.



The ALEX³ platform and tests are licensed by Health Canada.
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Not for use in diagnostic procedures.

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