



Market launch
17/09/2025

ALEX³

UPGRADED ALLERGEN PANEL

GREATER SENSITIVITY AND SPECIFICITY

IMPROVED MOLECULAR PRECISION

ALEX³ includes **more molecular allergens** than ever – **218 in total, 109 of which are unique.**

- High-relevance molecular allergens:
e.g., chicken, celery, wheat, oak pollen, and bee venom
- Emerging-relevance molecular allergens:
e.g., lentil, pea
- Other new molecular allergens:
e.g., α-gal, Api g 7, Gal d 7,
Len c 1+3, Pis s 1–3,
Que a 1, Tri a 36 & 37

INCREASED COVERAGE

New allergen sources New allergen families (selection)

- | | |
|---------------------|-----------------|
| • Freshwater shrimp | • α-hairpinin |
| • Golden hamster | • Cyclophilin |
| • Oak pollen | • Glutenin |
| • Pine nut | • Hemocyanin |
| | • Hyaluronidase |



Check out the full
ALEX³ allergen list

NEW FEATURES ADDED

- Sample pipetting control
- Quantitative total IgE

BASED ON BIG DATA

- Built on 1 million test results across 90+ countries
- Designed for global clinical relevance
- Minimised redundancies through key allergens as reliable markers for entire allergen families

IMPROVED FOCUS

The upgrade of the ALEX test was guided by two principles:

1. Select allergens according to relevance based on positivity rates, average sIgE levels, and co-reactivity with allergens of the same allergen family.
2. Optimise coverage both of globally and regionally occurring allergen sources.

As a consequence the following allergens could be removed:

Allergen source	Scientific name	Allergen
TREE POLLEN		
Ash	Fraxinus excelsior	
Beech	Fagus sylvatica	rFag s 1
Birch	Betula verrucosa	rBet v 2
Cottonwood	Populus nigra	
Date palm	Phoenix dactylifera	rPho d 2
Elm	Ulmus campestris	
Hazel	Corylus avellana	
Hazel	Corylus avellana	rCor a 1.0103
Mulberry tree	Morus rubra	
GRASS POLLEN		
Bermuda grass	Cynodon dactylon	
Perennial ryegrass	Lolium perenne	rLol p 1
WEED POLLEN		
Annual mercury	Mercurialis annua	rMer a 1
Nettle	Urtica dioica	
Ribwort	Plantago lanceolata	
MITES & COCKROACHES		
European house dust mite	Dermatophagoides pteronyssinus	rDer p 11
DANDER & EPITHELIA		
Rat	Rattus norvegicus	
Sheep	Ovis aries	
MOULDS & YEASTS		
Baker's yeast	Saccharomyces cerevisiae	
INSECT VENOM		
Common wasp	Vespula vulgaris	
Long-headed wasp	Dolichovespula spp	
MEAT		
Pig	Sus domesticus	
VEGETABLES		
Carrot	Daucus carota	
Carrot	Daucus carota	rDau c 1

Allergen source	Scientific name	Allergen
CEREALS & SEEDS		
Fenugreek seed	Trigonella foenum-graecum	
Rice	Oryza sativa	
SPICES		
Anise	Pimpinella anisum	
Caraway	Carum carvi	
Oregano	Origanum vulgare	
Paprika	Capsicum annuum	
Parsley	Petroselinum crispum	
LEGUMES & NUTS		
Cashew	Anacardium occidentale	
Pea	Pisum sativum	
Common bean	Phaseolus vulgaris	
Lentil	Lens culinaris	
SEAFOOD		
Atlantic cod	Gadus morhua	
Atlantic cod	Gadus morhua	nGad m 2 & nGad m 3
Oyster	Ostrea edulis	
Scallop	Pecten spp	
Common mussel	Mytilus edulis	
Tuna	Thunnus albacares	
FRUITS		
Apple	Malus domestica	rMal d 2
Banana	Musa spp	
Blueberry	Vaccinium myrtillus	
Cherry	Prunus spp.	
Mango	Mangifera indica	
Orange	Citrus sinensis	
Strawberry	Fragaria ananassa	rFra a 1 & rFra a 3
OTHERS		
Latex	Hevea brasiliensis	rHev b 8