



BioIC MAX Allergy Panel for Allergy Diagnostics

Tailor made multiplex panel for Hong Kong and Macau

Product code: A7B



Region-Specific Allergen Selection

Clinically significant allergens are selected based on 10,000 real-life serum data collected from 100 hospitals and clinics in HK and Macau. To enhance clinical relevance, allergens that are rarely found locally, seldom yield positive results, or are frequently cross-sensitized are excluded.



Simplified Interpretation

The bilingual report incorporates publication-based interpretations. Our evidence-based allergen selection approach reduces complexity and enhances the clarity of the results.



Precision Diagnostics

This approach combines whole allergen extracts with component-resolved diagnostics (CRD) to enable comprehensive screening and accurate diagnosis.



Affordable without Compromise

Significantly reduced panel cost without sacrificing quality.

Innovative Microfluidics Chips Technology

Patented technology ensures high sensitivity and specificity using **minimal serum volume** (less than 2ml of whole blood).

Certified: ISO 13485, QMS (GMP), CE-IVD, China FDA, Taiwan FDA



BioIC Technology International Limited

BioIC MAX Allergy Panel

Tailor made multiplex panel for Hong Kong and Macau

A7B

Includes 71 specific IgE to allergens and total IgE

46 Whole Extracts
For broad screening to identify reactions to a wide range of region-specific allergens.

24 Components
For precise analysis to differentiate between cross-reactivity and genuine co-sensitization, assess the risk of severe reactions, and guide personalized treatment.

1 CCD
For cross-reactivity assessment and to account for false positives.

1 total IgE
For overall level of IgE antibodies.

Inhalant allergens

House dust mite				
Scientific name	Allergen source	Code	Protein family	
<i>Dermatophagoides pteronyssinus</i>	European house dust mite	Der p	-	
<i>Dermatophagoides farinae</i>	American house dust mite	Der f	-	
<i>Dermatophagoides pteronyssinus</i>	European house dust mite	Der p 23	Peritrophin-like	
<i>Dermatophagoides pteronyssinus</i>	European house dust mite	Der p 20	Arginine kinase	
<i>Dermatophagoides pteronyssinus</i>	European house dust mite	Der p 10	Tropomyosin	

Storage mite				
Scientific name	Allergen source	Code	Protein family	
<i>Acarus siro</i>	<i>Acarus siro</i>	Aca s	-	
<i>Blomia tropicalis</i>	<i>Blomia tropicalis</i>	Blo t	-	
<i>Glycyphagus domesticus</i>	<i>Glycyphagus domesticus</i>	Gly d	-	
<i>Lepidoglyphus destructor</i>	<i>Lepidoglyphus destructor</i>	Lep d	-	
<i>Tyrophagus putrescentiae</i>	<i>Tyrophagus putrescentiae</i>	Tyr p	-	

Cockroach				
Scientific name	Allergen source	Code	Protein family	
<i>Blattella germanica</i>	German cockroach	Bla g	-	
<i>Periplaneta americana</i>	American cockroach	Per a	-	

Yeast				
Scientific name	Allergen source	Code	Protein family	
<i>Malassezia spp</i>	<i>Malassezia spp</i>	Mala s	-	

Mould				
Mould mix - <i>Cladosporium herbarum</i> , <i>Alternaria alternata</i> , <i>Aspergillus fumigatus</i>				

Cat				
Scientific name	Allergen source	Code	Protein family	
<i>Felis domesticus</i>	Cat	Fel d	-	
<i>Felis domesticus</i>	Cat	Fel d 1	Uteroglobulin	
<i>Felis domesticus</i>	Cat	Fel d 2	Serum albumin	

Dog				
Scientific name	Allergen source	Code	Protein family	
<i>Canis familiaris</i>	Dog	Can f	-	
<i>Canis familiaris</i>	Dog	Can f 5	Prostatic kallikrein	
<i>Canis familiaris</i>	Dog	Can f 1	Lipocalin	

Pollens				
Scientific name	Allergen source	Code	Protein family	
<i>Cynodon dactylon</i>	Bermuda grass	Cyn d	-	
<i>Phleum pratense</i>	Timothy	Phl p	-	
<i>Betula verrucosa</i>	Birch	Bet v	-	
<i>Betula verrucosa</i>	Birch	Bet v 1	PR-10	
<i>Phoenix dactylifera</i>	Date palm	Pho d 2	Profilin	
<i>Parietaria judaica</i>	Wall Pellitory	Par j 2	nsLTP	
<i>Cryptomeria japonica</i>	Sugi / Japanese cedar	Cry j	-	

Food allergens

Fish				
Scientific name	Allergen source	Code	Protein family	
<i>Gadus morhua</i>	Cod	Gad m	-	
<i>Clupea harengus</i>	Herring	Clu h	-	
<i>Salmo salar</i>	Salmon	Sal s	-	
<i>Cyprinus carpio</i>	Carp	Cyp c 1	β-Parvalbumin	
<i>Scomber scombrus</i>	Mackerel	Sco s 1	β-Parvalbumin	
<i>Thunnus albacares</i>	Tuna	Thu a 1	β-Parvalbumin	
<i>Xiphias gladius</i>	Sword fish	Xip g 1	β-Parvalbumin	

Shellfish				
Scientific name	Allergen source	Code	Protein family	
<i>Penaeus monodon</i>	Tiger shrimp	Pen m	-	
<i>Ostrea edulis</i>	Oyster	Ost e	-	
<i>Mytilus edulis</i>	Mussel	Myt e	-	
<i>Homarus gammarus</i>	Lobster	Hom g	-	
<i>Loligo spp.</i>	Squid	Lol spp.	-	
<i>Chionoecetes spp.</i>	Crab	Chi spp.	-	

Egg				
Scientific name	Allergen source	Code	Protein family	
<i>Gallus domesticus</i>	Egg white	Egg white	-	
<i>Gallus domesticus</i>	Egg yolk	Egg yolk	-	
<i>Gallus domesticus</i>	Egg white	Gal d 1	Ovomucoid	
<i>Gallus domesticus</i>	Egg white	Gal d 2	Ovalbumin	

Cow's Milk				
Scientific name	Allergen source	Code	Protein family	
<i>Bos domesticus</i>	Milk	Bos d 4	α-Lactalbumin	
<i>Bos domesticus</i>	Milk	Bos d 5	β-Lactoglobulin	
<i>Bos domesticus</i>	Milk	Bos d 6	Serum Albumin	
<i>Bos domesticus</i>	Milk	Bos d 8	Casein	

Legume				
Scientific name	Allergen source	Code	Protein family	
<i>Glycine max</i>	Soy	Gly m	-	
<i>Arachis hypogea</i>	Peanut	Ara h	-	
<i>Arachis hypogea</i>	Peanut	Ara h 2	2S Albumin	



Tree nuts

Scientific name	Allergen source	Code	Protein family
<i>Juglans regia</i>	Walnut	Jug r	-
<i>Corylus avellana</i>	Hazel Nut	Cor a	-
<i>Pistacia vera</i>	Pistachio	Pis v	-
<i>Prunus dulcis</i>	Almond	Pru du	-
<i>Bertholletia excelsa</i>	Brasil nut	Ber e	-
<i>Anacardium occidentale</i>	Cashew	Ana o	-
<i>Anacardium occidentale</i>	Cashew	Ana o 3	2S Albumin



Vegetable

<i>Apium graveolens</i>	Celery	Api g	-
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Fruit

<i>Malus domestica</i>	Apple	Mel d	-
<i>Actinidia deliciosa</i>	Kiwi	Act d	-
<i>Cucumis melo</i>	Melon	Cuc m	-
<i>Prunus persica</i>	Peach	Pru p 3	nsLTP



Cereal

<i>Triticum aestivum</i>	Gluten	-	-
<i>Fagopyrum esculentum</i>	Buckwheat	Fag e	-
<i>Triticum aestivum</i>	Wheat flour	Tri a	-
<i>Triticum aestivum</i>	Wheat flour	Tri a 19	Omega-5 gliadin



Seed

<i>Sesamum indicum</i>	Sesame	Ses i	-
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CCD

A cross-reactive carbohydrate determinants present in plants and insects that may lead to false-positive results.

Adding CCD marker instead of performing CCD inhibition may avoid lowering the sensitivity of the panel, given the very low CCD prevalence in HK and Macau.



Total IgE

Low level of total IgE and negative specific IgE for tested allergens may identify true negative sensitization.

