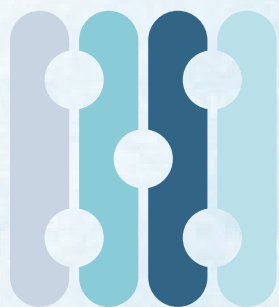


Welcome to the era of  
MOLECULAR ALLERGY for animals!



# PAX

pet allergy xplorer

Available  
January  
2023

First quantitative microarray  
IgE test specifically designed  
for animals

Over 200 allergen extracts  
and molecular components

Better identification of allergen  
cross-reactivities

Fully automated process, higher  
level of standardisation

With CCD blocking and  
2 blocking efficiency  
detectors



# Molecular Allergology:

## The future of IgE sensitization detection



	Common name	Scientific name	Extracts & Components
GRASS POLLEN	Bermuda grass	<i>Cynodon dactylon</i>	Cyn d * rCyn d 1
	Orchard grass	<i>Dactylis glomerata</i>	Dac g *
	Meadow fescue	<i>Festuca pratensis</i>	Fes p *
	Perennial ryegrass	<i>Lolium perenne</i>	rLol p 1
	Timothy	<i>Phleum pratense</i>	rPhl p 1
			rPhl p 2
			rPhl p 5.0101
rPhl p 6			
rPhl p 7			
June/Kentucky blue grass	<i>Poa pratensis</i>	Poa p *	
Ryegrass, cultivated	<i>Secale cereale</i>	Sec c_pollen *	
TREE POLLEN	Acacia	<i>Acacia Mimosa</i>	Aca M* Aln g*
	Alder	<i>Alnus glutinosa</i>	Aln g 1
			Aln g 4
			Bet v*
	Birch	<i>Betula verrucosa</i>	Bet v 1
			Bet v 2
			Bet v 6
			Cor a pollen*
	Hazelnut	<i>Corylus avellana</i>	Cor a 1.0103
	Arizona Cypress	<i>Cupressus arizonica</i>	Cup a 1
	Cypress	<i>Cupressus sempervirens</i>	Cup s *
	Beech	<i>Fagus sylvatica</i>	rFag s 1
	Ash	<i>Fraxinus excelsior</i>	Fra e *
			rFra e 1
	Walnut	<i>Juglans regia</i>	Jug r pollen*
	Juniper	<i>Juniperus ashei / virginiana</i>	Jun a / Jun v
	Privet	<i>Ligustrum vulgare</i>	Lig v *
Mulberry	<i>Morus rubra</i>	Mor r*	
		Ole e *	
		nOle e 1	
		rOle e 7	
Olive tree	<i>Olea Europaea</i>	rOle e 9	
		Pop n *	
		Poplar/ Cottonwood	<i>Populus nigra</i>
Elm	<i>Ulmus campestris</i>	Ulm c *	
WEED POLLEN	Careless/ Pigweed	<i>Amaranthus retroflexus</i>	Ama r*
	Ragweed	<i>Ambrosia artemisiifolia</i>	Amb a *
			rAmb a 1
			rAmb a 4
	Mugwort	<i>Artemisia vulgaris</i>	Art v *
rArt v 1.0101			
rArt v 3.0201			
Lamb's quarter	<i>Chenopodium album</i>	Che a * rChe a 1	

	Common name	Scientific name	Extracts & Components
WEED POLLEN	Wall pellitory	<i>Parietaria judaica</i>	Par j * rPar j 2
	Ribwort / Plantain	<i>Plantago lanceolata</i>	Pla l * rPla l 1
	Dock/Sorrel	<i>Rumex crispus / acetosella</i>	Rum c / * Rum a
	Russian thistle	<i>Salsola kali</i>	Sal k * rSal k 1
	Nettle	<i>Urtica dioica</i>	Urt d *
DANDER & EPITHELIA	Dog	<i>Canis familiaris</i>	rCan f 1
			rCan f 2
			nCan f 3
			rCan f 4
			rCan f 6
			Can f_maleurine (including Can f 5) *
	Guinea pig	<i>Cavia porcellus</i>	rCav p 1
	Horse	<i>Equus caballus</i>	rEqu c 1
			nEqu c 3
			rEqu c 4
	Cat	<i>Felis domesticus</i>	rFel d 1
			rFel d 2
rFel d 4			
rFel d 7			
Mouse	<i>Mus musculus</i>	rMus m 1	
Rabbit	<i>Oryctolagus cuniculus</i>	rOry c 1	
		rOry c 2	
		rOry c 3	
MITES & COCKROACHES	Acarus siro	<i>Acarus siro</i>	Aca s * rBla g 1
	German cockroach	<i>Blattella germanica</i>	rBla g 2
			rBla g 4
			rBla g 5
			rBla g 9
	Cat flea	<i>Ctenocephalides felis</i>	Cte f 1
	Dermatophagoides farinae	<i>Dermatophagoides farinae</i>	Der f *
			rDer f 1
			rDer f 2
			rDer f 15
			rDer f 18
			Der p *
	Dermatophagoides pteronyssinus	<i>Dermatophagoides pteronyssinus</i>	rDer p 1
			rDer p 2
			rDer p 5
rDer p 7			
rDer p 10			
rDer p 11			
rDer p 20			
rDer p 21			
rDer p 23			

	Common name	Scientific name	Extracts & Components
MITES CONT'D	Glycyphagus domesticus	<i>Glycyphagus domesticus</i>	rGly d 2
	Lepidoglyphus destructor		Lep d *
			rLep d 2
Tyrophagus putrescentiae	<i>Tyrophagus putrescentiae</i>	Tyr p *	
		<i>Tyrophagus putrescentiae</i>	rTyr p 2
MOLDS & YEASTS	Alternaria alternata	<i>Alternaria alternata</i>	Alt a *
			rAlt a 1
			rAlt a 6
	Aspergillus fumigatus	<i>Aspergillus fumigatus</i>	Asp f *
			rAsp f 1
			rAsp f 3
			rAsp f 4
			rAsp f 6
	Cladosporium herbarum	<i>Cladosporium herbarum</i>	Cla h * rCla h 8
	Malassezia pachydermatis	<i>Malassezia</i>	Mala p *
	Malassezia sympodialis	<i>Malassezia sympodialis</i>	rMala s 1
rMala s 9			
rMala s 5			
rMala s 6			
			rMala s 11
INSECT VENOMS	Honey bee venom	<i>Apis mellifera</i>	Api m *
			nApi m 1
			Api m 2
			Api m 3
			Api m 5
	rApi m 10		
Long-headed wasp venom		Dol spp *	
Paper wasp venom	<i>Polistes dominulus</i>	Pol d * rPol d 5	
Fire ant venom	<i>Solenopsis richteri &amp; Solenopsis invicta</i>	Sol spp *	
Common wasp venom	<i>Vespula vulgaris</i>	Ves v * rVes v 1 rVes v 5	



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Common name	Scientific name	Extracts & Components	Common name	Scientific name	Extracts & Components			
FOODS	Oat	<i>Avena sativa</i>	Ave s *	Egg Yolk	<i>Gallus Domesticus</i>	Gal d_yolk*		
	Buckwheat	<i>Fagopyrum esculentum</i>	Fag e *		nGal d 5			
	Sunflower seed	<i>Helianthus annuus</i>	Hel a *	Beef	<i>Bos domesticus</i>	Bos d_meat *		
	Barley	<i>Hordeum vulgare</i>	Hor v *			nBos d 6		
	Rice	<i>Oryza sativa</i>	Ory s			Bos d 7		
			Ory s_ GLUB1			Bos d_ ACTA1		
	Millet	<i>Panicum miliaceum</i>	Pan m *	Horse	<i>Equus caballus</i>	Bos d_ LDHA		
	Rye, cultivated	<i>Secale cereale</i>	Sec c_flour *			Equ c_meat *		
	Wheat	<i>Triticum aestivum</i>	Tri a *	Rabbit	<i>Oryctolagus spp.</i>	Ory_meat *		
			rTri a 14			Ory c_CKM		
			rTri a 19			Ory c_ GAPDH		
	nTri a aA_TI	Ory c_ PGM1						
	Corn, cereal	<i>Zea mays</i>	Zea m *			Ory c_PKM		
			rZea m 14			Ory c_TPI1		
			Zea m_ GBSSI			Ovi a_meat *		
	Apple	<i>Malus domestica</i>	rMal d 1			Lamb	<i>Ovis aries</i>	Ovi a_IgG
			nMal d 2					Pig
			rMal d 3			rSus d 1		
	Peanut	<i>Arachis hypogaea</i>	nAra h 1	Chicken	<i>Gallus domesticus</i>	Gal d_meat *		
			rAra h 2			Gal d 7		
			nAra h 3			Gal d 9		
			rAra h 5	Turkey	<i>Meleagris gallopavo</i>	Gal d_PKM		
			rAra h 6			Mel g *		
			rAra h 8			Mealworm	<i>Tenebrio molitor</i>	Ten m *
			rAra h 9					Herring, Atlantic
	rAra h 15	rClu h 1						
	Soy	<i>Glycine max</i>	Gly m *	Cod, Atlantic	<i>Gadus morhua</i>	Gad m *		
rGly m 4			nGad m 1					
rGly m 5			Gad m 2+3					
nGly m 6			Gad m 4					
Lentil	<i>Lens culinaris</i>	nGly m 8	Salmon, Atlantic	<i>Salmo salar</i>	Sal s *			
		Len c *			Sal s 1			
		Len c 1			Sal s 2			
Len c 2	Sal s 3							
Len c 3	Sal s 4							
Pea	<i>Pisum sativum</i>	Pis s *			Sal s 6			
		Pis s 1			Sal s 7			
		Pis s 2			Sal s 8			
		Pis s 3	Sco s *					
Cow's milk	<i>Bos domesticus</i>	Bos d_milk *	Mackerel, Atlantic	<i>Scomber scombrus</i>	rSco s 1			
		nBos d 4			Tuna	<i>Thunnus albacares</i>	Thu a *	
		nBos d 5	Thu a 1					
nBos d 8	Carrot	<i>Daucus carota</i>	Dau c *					
Gal d_white *			rDau c 1					
Egg white	<i>Gallus domesticus</i>	nGal d 1	Tomato	<i>Solanum lycopersicum</i>	Sola l *			
		nGal d 2			rSola l 6			
		nGal d 3						
		nGal d 4						

### What is molecular allergology?

Molecular allergology is a state-of-the-art approach to the detection of sensitisations, whereby defined single allergen components are used for the determination of specific IgE in place of traditionally-used allergen extracts.

The molecular components are recombinant proteins that provide a higher level of standardization than allergen extracts and enable a more precise identification of IgE sensitisations.

Molecular allergology tests are powerful tools that help pinpoint allergy triggers, thus facilitating risk assessment and therapy decisions.

Nextmune is bringing you the first molecular allergology platform for animals, the next-generation in allergen-specific IgE serology.