

# WELCOME TO THE ERA OF MOLECULAR ALLERGY FOR ANIMALS!



## **Molecular Allergology:** The future of IgE sensitisation detection





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 standardisation 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.

We are excited to introduce the first molecular allergology platform for animals, representing the next generation of allergen-specific IgE serology:

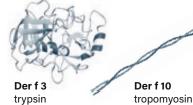
PAX - pet allergy xplorer to horse allergy xplorer



- First quantitative multiplex macroarray specifically designed for companion animals
- Over 200 allergen extracts and components included = lower testing cost per allergen
- Fully automated process = higher level of standardisation
- With CCD blocking and 2 blocking efficiency detectors
- Only 0.5 ml of serum needed per test
- Expected increase in serological test sensitivity due to a higher concentration of molecular allergens
- Identification of "primary" sensitising allergens
- Identification of allergen cross-reactivities
- Selection of relevant allergen-specific immunotherapy













chitinase cysteine protease

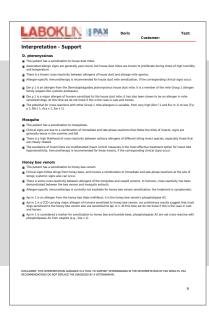
# The PAX results are clearly set out, easy to interpret and include the following information:

- · Summary of detectable sensitisations
- Interpretation summary and treatment recommendation
- · Detailed results per extract and components
- Detailed interpretation with information about allergenicity and relevance, time of the year, possible cross-reactivities and treatment indication for each allergen

## **PAX Complete result**





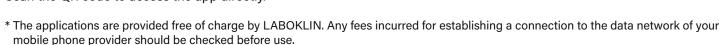


### Access reports via your mobile with the LABOKLIN app!

We at Laboklin understand that it is not always possible to log on to the computer and check whether the expected results have already arrived. Sometimes it has to be done after-hours whilst at home or in between farm calls.

With the Laboklin app, you can use your mobile device (smartphone or tablet) to access your results online anytime, anywhere. As the reports are synchronized live, they can only be accessed if your device is connected to the internet\*.

Scan the QR code to access the app directly.



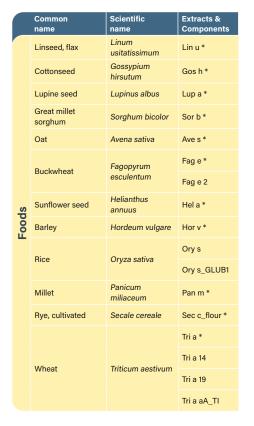


# **PAX Allergens: Components & Extracts**

	Common name	Scientific name	Extracts & Components
	Bermuda grass	Cynodon dactylon	Cyn d*
	Dermuda grass	Cyriodoir dactylori	Cyn d 1
	Orchard grass	Dactylis glomerata	Dac g *
	Meadow fescue	Festuca pratensis	Fes p *
	Perennial ryegrass	Lolium perenne	Lol p 1
ens			Phl p 1
Poll			Phl p 2
Grass Pollens	Timothy	Phleum pratense	Phl p 5.0101
Gra			Phl p 6
			Phl p 7
			Phl p 12
	Kentucky blue	Poa pratensis	Poa p *
	grass Ryegrass,		·
	cultivated	Secale cereale	Sec c_pollen *
			Aln g *
	Alder	Alnus glutinosa	Aln g 1
			Aln g 4
			Bet v *
	Silver birch	Betula verrucosa	Bet v 1
			Bet v 2
			Bet v 6
	Hazel	Corylus avellana	Cor a_pollen *
	. 1020.	oorylad aronana	Cor a 1.0103
	Cypress	Cupressus	Cup s *
		sempervirens	
ree Pollens	Beech	Fagus sylvatica	Fag s 1
Poll	Ash	Fraxinus excelsior	Fra e *
ee			Fra e 1
Ė	Privet	Ligustrum vulgare	Lig v *
			Ole e *
	Olive tree	Olea europaea	Ole e 1
			Ole e 7
			Ole e 9
		Platanus acerifolia	Pla a 1
	London plane tree		Pla a 2
			Pla a 3
	Cottonwood	Populus nigra	Pop n *
	Elm	Ulmus campestris	Ulm c*
	Ragweed	Ambrosia artemisiifolia	Amb a *
			Amb a 1
			Amb a 4
		Artemisia vulgaris	Art v *
SL	Mugwort		Art v 1.0101
olle			Art v 3.0201
Weed Pollens	Lamb's quarter	Chenopodium	Che a *
/ee	Lamb o quarter	album	Che a 1
Š	Wall pellitory	Parietaria judaica	Par j *
	,		
			Par j 2
	Ribwort / Plantain	Plantago lanceolata	Par J 2 Pla I *

	Common name	Scientific name	Extracts & Components
ens	Dock/Sorrel	Rumex crispus / acetosella	Rum c / * Rum a
Weed Pollens	Russian thistle	Salsola kali	Sal k*
			Sal k1
Š	Nettle	Urtica dioica	Urt d *
	Cattle	Bos domesticus	Bos d 2
			Can f1
	Dog		Can f 2
			Can f 3
			Can f 4
		Canis familiaris	Can f 6
thelia			f_maleurine (including Can f 5) *
Danders & Epithelia			Can f Fel d 1 like
ers	Guinea pig	Cavia porcellus	Cav p 1
and			Fel d 1
Ď	Cat	Felis catus	Fel d 2
			Fel d 4
	Manage	M	Fel d 7
	Mouse	Mus musculus	Mus m 1
	Rabbit	Oryctolagus	Ory c 1 Ory c 2
	Habbit	cuniculus	Ory c 3
	Acarus siro	Acarus siro	Aca s *
	German cockroach		Bla g *
		Blatella germanica	Bla g 1
			Bla g 2
			Bla g 4
			Bla g 5
			Bla g 9
			Der f*
	Dermatophagoides farinae	Dermatophagoi- des farinae	Der f 1
10			Der f 2
che			Der f 15
roa			Der f 18
Mites & Cockroaches	Dermatophagoides pteronyssinus	Dermatophagoi- des pteronyssinus	Der p *
8			Der p 1
tes			Der p 2
Ξ			Der p 5
			Der p 7
			Der p 10
			Der p 11
			Der p 20
			Der p 21
			Der p 23
	Glycyphagus domesticus	Glycyphagus domesticus	Gly d 2
	Lepidoglyphus	Lepidoglyphus destructor	Lep d*
	destructor	Lepidoglyphus	Lep d 2
		destructor	

	Common name	Scientific name	Extracts & Components
		Tyrophagus	Tyr p *
	Tyrophagus putrescentiae	putrescentiae Tyrophagus	Tyr p 2
		putrescentiae	Alt a *
	۸ الحصيمين ما الحصيمياء	Alternaria	
	Alternaria alternata	alternata	Alt a 1
			Alt a 6
			Asp f*
	Aspergillus fumigatus		Asp f 1
		Aspergillus fumigatus	Asp f 3
asts			Asp f 4
É			Aspf6
Moulds & Yeasts			Asp f 8 Cla h *
oluc	Cladosporium herbarum	Cladosporium herbarum	Cla h 8
ž	Malassezia	Malassezia	
	pachydermatis	pachydermatis	Mala p *
			Mala s 1
	Madagas	Malassezia	Mala s 9
	Malassezia sympodialis	sympodialis	Mala s 5
			Mala s 6
			Mala s 11
			Api m *
			Api m 1
	Honey bee venom	Apis mellifera	Api m 2
			Api m 3
			Api m 5
oms			Api m 10
Insect Venoms	Long-headed wasp venom	spp.	Dol spp *
ect	Paper wasp venom	Polistes dominula	Pol d *
lns			Pol d 5
	Fire ant venom	Solenopsis richteri & Solenopsis invicta	Sol spp *
	Common wasp venom	Vespula vulgaris	Ves v *
			Ves v 1
			Ves v 5
	Mosquito	Aedes aegypti	Aed a *
	Midges	Culicoides nubeculosus	Cul n *
		Culicoides obsoletus	Cul o 11 (CO167)
			Cul o 1P
			Cul o 8
Biting Insects			Cul o 2P
			Cul o 3
			Cul o 5
			Cul o 7
			Cul o 9 (CO120)
	Stable fly	Stomoxys calcitrans	Sto c *
	Horse fly	Tabanus spp.	Tab spp. *
	Deer fly	Chrysops vittatus	Chr v *



	Common name	Scientific name	Extracts & Components
	Corn, cereal	Zea mays	Zea m *
			Zea m 14
			Zea m_GBSSI
	Apple	Malus domestica	Mal d 1
			Mal d 2
			Mal d 3
	Peanut Arachis hypogaea	Arachis hypogaea	Ara h 1
			Ara h 2
S			Ara h 3
Foods			Ara h 5
ŭ.			Ara h 6
			Ara h 8
			Ara h 9
		Ara h 15	
	Soy	Glycine max	Gly m *
			Gly m 4
			Gly m 5
			Gly m 6
			Gly m 8

	Common name	Scientific name	Extracts & Components
	Lentil Lens culinaris	Lens culinaris	Len c *
			Len c 1
			Len c 2
		Len c 3	
Sp	Pea	Pisum sativum	Pis s *
Foods			Pis s 1
			Pis s 2
			Pis s 3
	Mealworm	Tenebrio molitor	Ten m *
	Carrot Daucus carota	Daucus carota	Dau c *
		Dau c 1	
	Latex	Hevea brasiliensis	Hev b 1
			Hev b 11
Other			Hev b 3
O			Hev b 5
			Hev b 6.02

\* Extract

### 4PAWS - THE reminder APP for Pet Owners

# From setting reminders to give medication as well as being prepared when traveling - all this is possible with the 4Paws app!



#### Allergy

Pollen calendar, allergy test results, and the treatment plan for allergy therapy – all in one place.



### Other treatments

Never forget to administer important medication again – thanks to the reminder function.



#### **Vaccinations**

Remember to schedule your vaccinations at the right time – it's no problem!



### **Anti-parasitics**

Worming treatment and parasite prophylaxis – when is it right? The app tells you.



### **Traveling**

Enter the travel period and destination and the app will remind you of the recommended prophylactic measures and follow-up examinations. The app provides information on the vector-borne pathogens found in the destination country in the form of "fact sheets".



Absolutely no costs and ad-free installation from the app stores:









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