

# WELCOME TO THE ERA OF MOLECULAR ALLERGY FOR ANIMALS!





First quantitative macroarray IgE test specifically designed for animals



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 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



- 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 (same result if tested multiple times)
- 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

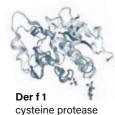












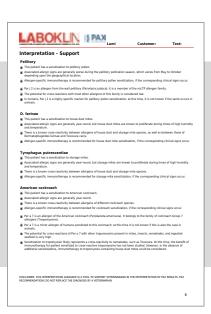
# The PAX results are clearly set out, easy to interpret and include the following information:

- · 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**





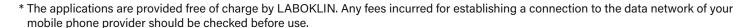


### Access reports via your mobile with the LABOKLIN app!

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
			Cyn d*
	Bermuda grass	Cynodon dactylon	Cyn d 1
	Orchard grass	Dactylis	Dac g *
	Meadow fescue	glomerata Festuca pratensis	Fes p *
S	Perennial ryegrass	Lolium perenne	Lol p 1
en	. oronnar ryogrado	Zonam poronno	Phl p 1
5			Phl p 2
SS	Timothy	Phleum pratense	Phl p 5.0101
Grass Pollens			Phl p 6
G			Phl p 7
			Phl p 12
	Kentucky blue		·
	grass	Poa pratensis	Poa p *
	Ryegrass,		
	cultivated	Secale cereale	Sec c_pollen *
			Aln g *
	Alder	Alnus glutinosa	Aln g 1
			Aln g 4
			Bet v *
			Bet v 1
	Silver birch	Betula verrucosa	Bet v 2
			Bet v 6
			Cor a_pollen *
	Hazel	Corylus avellana	Cor a 1.0103
	Cypress	Cupressus sempervirens	Cup s *
S	Beech	Fagus sylvatica	Fag s 1
len	Ash		Fra e *
Pol		Fraxinus excelsior	Fra e 1
Tree Pollens	Privet	Ligustrum vulgare	Lig v *
	Olive tree	Olea europaea	Ole e *
			Ole e 1
			Ole e 7
			Ole e 9
	London plane tree	Platanus acerifolia	Pla a 1
			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
			Art v *
	Mugwort	Artemisia vulgaris	Art v 1.0101
			Art v 3.0201
Sus	Lamb's quarter	Chenopodium album	Che a *
Weed Pollens	II		Che a 1
P	Wall pellitory	Parietaria judaica	Pari?
eec		Plantago	Par j 2 Pla I *
>	Ribwort / Plantain	Plantago lanceolata	
		Rumex crispus /	Pla I 1 Rum c / *
	Dock/Sorrel	acetosella	Rum a
	Russian thistle	Salsola kali	Sal k*
			Sal k1
	Newle	11.2	11.4.4.
	Nettle	Urtica dioica	Urt d *

	Common name	Scientific name	Extracts & Components
	Cattle	Bos domesticus	Bos d 2
			Can f1
			Can f 2
			Can f 3
			Can f 4
	Dog	Canis familiaris	Can f 6
Danders & Epithelia	Dog	Canis familiaris	Can f_maleurine (including Can f 5) * Can f Fel d 1 like
8 Ер	Guinea pig	Cavia porcellus	Cav p 1
rs			
de	Hana	Carrie as halles	Equ c 1
an	Horse	Equus caballus	Equ c 3
			Equ c 4
			Fel d 1
	Cat	Felis catus	Fel d 2
			Fel d 4
			Fel d 7
	Mouse	Mus musculus	Mus m 1
		Oryctolagus	Ory c1
	Rabbit	cuniculus	Ory c 2
			Ory c 3
	Acarus siro	Acarus siro	Aca s *
			Bla g 1
		Blatella	Bla g 2
	German cockroach	germanica	Bla g 4
	3-		Bla g 5
			Bla g 9
	Flea	Ctenocephalides felis	Cte f 1
			Der f*
		Dermatophagoi- des farinae	Der f 1
	Dermatophagoides farinae		Der f 2
			Der f 15
			Der f 18
S			Der p *
Aites & Cockroache	Dermatophagoides pteronyssinus	Dermatophagoi- des pteronyssinus	Der p 1
oa			Der p 2
ş			
Ö			Der p 5
×			Der p 7
es			Der p 10
Ĭ			Der p 11
_			Der p 20
			Der p 21
			Der p 23
	Glycyphagus domesticus	Glycyphagus domesticus	Gly d 2
	Lepidoglyphus destructor	Lepidoglyphus destructor	Lep d *
		Lepidoglyphus destructor	Lep d 2
	Tyrophagus	Tyrophagus putrescentiae	Tyr p *
	putrescentiae	Tyrophagus putrescentiae	Tyr p 2
	Alternaria alternata	Alternaria alternata	Alt a *
			Alt a 1
			Alt a 6

	Common name	Scientific name	Extracts & Components
			Asp f*
			Asp f 1
	Aspergillus	Aspergillus	Asp f 3
	fumigatus	fumigatus	
			Asp f 4
sts			Asp f 6
Yea	Cladosporium	Cladosporium	Cla h *
ઍ	herbarum	herbarum	Cla h 8
Moulds & Yeasts	Malassezia pachydermatis	Malassezia pachydermatis	Mala p *
ĭ			Mala s 1
	Malassezia	Malassezia	Mala s 9
			Mala s 5
	sympodialis	sympodialis	Mala s 6
			Mala s 11
			Api m * Api m 1
			Api m 2
	Honey bee venom	Apis mellifera	Api m 3
			Api m 5
ns			Api m 10
Insect Venoms	Long-headed wasp venom	Dolichovespula spp.	Dol spp *
7			Pol d *
sec	Paper wasp venom	Polistes dominula	Pol d 5
드	Fire ant venom	Solenopsis richteri & Solenopsis invicta	Sol spp *
	Common wasp		Ves v *
		Vespula vulgaris	Ves v 1
			Ves v 5
	Oat	Avena sativa	Ave s *
	Buckwheat	Fagopyrum esculentum	Fag e * Fag e 2
		Helianthus	
	Sunflower seed	annuus	Hel a *
	Barley	Hordeum vulgare	Hor v *
	Rice	Oryza sativa	Ory s
			Ory s_GLUB1
	Millet	Panicum miliaceum	Pan m *
	Rye, cultivated	Secale cereale	Sec c_flour *
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Tri a *
		Triticum aestivum	Tri a 14
	Wheat		Tri a 19
ds			Tri a aA_TI
spoo <sub>-</sub>			Zea m *
-	Corn, cereal	Zea mays	Zea m 14
			Zea m_GBSSI
			Mal d 1
	Apple	Malus domestica	Mal d 2
			Mal d 3
		Arachis hypogaea	Ara h 1
			Ara h 2
			Ara h 3
	Peanut		Ara h 5
			Ara h 6
			Ara h 8
			Ara h 9
			Ara h 15  * Extract
			∟∧udCt

	Common name	Scientific name	Extracts & Components
	Soy	Glycine max	Gly m *
			Gly m 4
			Gly m 5
			Gly m 6
			Gly m 8
	Lentil	Lens culinaris	Len c *
			Len c 1
			Len c 2
			Len c 3
	Pea	Pisum sativum	Pis s *
S			Pis s 1
Foods			Pis s 2
Щ			Pis s 3
	Cow's milk	Bos domesticus	Bos d_milk *
			Bos d 4
			Bos d 5
			Bos d 8
	Egg white	Gallus domesticus	Gal d_white *
			Gal d 1
			Gal d 2
			Gal d 3
			Gal d 4
	Egg yolk	Gallus domesticus	Gal d_yolk *
			Gal d 5

		Common	Scientific	Extracts &
		name	name	Components
		Beef	Bos domesticus	Bos d_meat *
				Bos d 6
				Bos d 7
				Bos d_ACTA1
				Bos d_LDHA
		Horse	Equus caballus	Equ c_meat *
			Oryctolagus spp.	Ory_meat *
		Rabbit		Ory c_CKM
				Ory c_GAPDH
				Ory c_PGM1
				Ory c_PKM
	S			Ory c_TPI1
	spoo:	Lamb	Ovis aries	Ovi a_meat *
	Щ			Ovi a_lgG
		Pig	Sus domesticus	Sus d_meat *
				Sus d 1
		Chicken	Gallus domesticus	Gal d_meat *
				Gal d 7
				Gal d 9
				Gal d_PKM
		Turkey	Meleagris gallopavo	Mel g *
		Mealworm	Tenebrio molitor	Ten m *
		Herring, Atlantic	Clupea harengus	Clu h *
	Herring, Atlantic			Clu h 1

	Common name	Scientific name	Extracts & Components
	Cod, Atlantic	Gadus morhua	Gad m *
			Gad m 1
			Gad m 2+3
			Gad m 4
			Sal s *
			Sal s 1
			Sal s 2
	Salmon, Atlantic	Salmo salar	Sal s 3
	Saimon, Atlantic	Salillo Salai	Sal s 4
			Sal s 6
			Sals7
ds			Sal s 8
Foods	Mackerel, Atlantic	Scomber scombrus	Sco s *
			Sco s 1
	Tuna	Thunnus albacares	Thu a *
			Thu a 1
	Carrot	Daucus carota	Dau c *
			Dau c 1
	Tomato	Solanum lycopersicum	Sola I*
			Sola I 6
	Potato	Solanum tuberosum	Sol t*
			Sol t 2
			Sol t_GBSSI

\* 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:









Tel. Fax E-mail Internet Steubenstr. 4 DE-97688 Bad Kissingen **Germany** +49 971 7 20 20 +49 971 6 85 46 info@laboklin.com www.laboklin.com

