Welcome to the era of
MOLECULAR ALLERGY for animals!

HPAX®

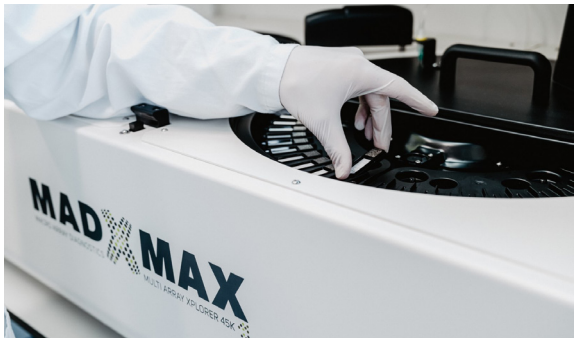
horse allergy xplorer

POWERED BY MADX MACRO ARRAY DIAGNOSTICS TECHNOLOGY

- **First quantitative macroarray 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**

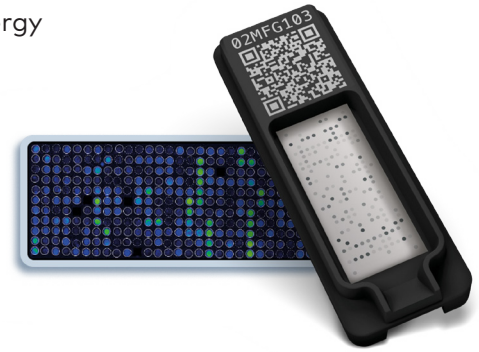
nextmune

Molecular Allergology:
The future of IgE sensitisation detection



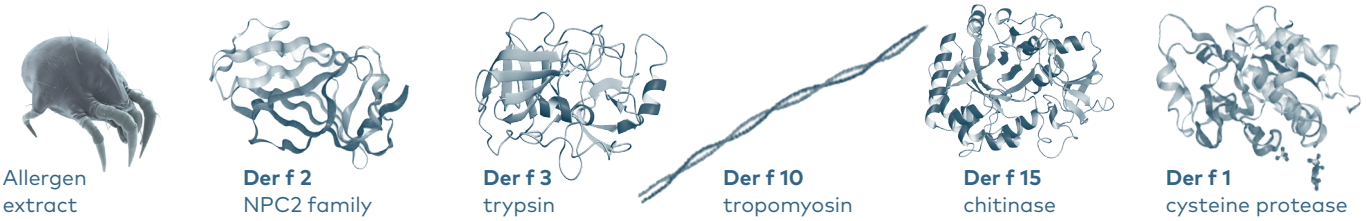
Molecular allergology is a state-of-the-art approach to the detection of sensitisations, whereby defined single allergen components are used for the determination of specific IgE in place of traditionally-used allergen extracts. The molecular components are recombinant proteins that provide a higher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

Nextmune is bringing you the first molecular allergology platform for animals, the next-generation in allergen IgE serology:
PAX - pet allergy xplorer to horse allergy xplorer



What are the main advantages of PAX?

- 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 standardization
- 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" sensitizing allergens
- Identification of allergen cross-reactivities
- Selection of relevant allergens for specific immunotherapy



Allergen extract

Der f 2
NPC2 family

Der f 3
trypsin

Der f 10
tropomyosin

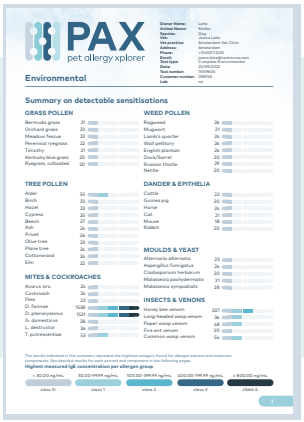
Der f 15
chitinase

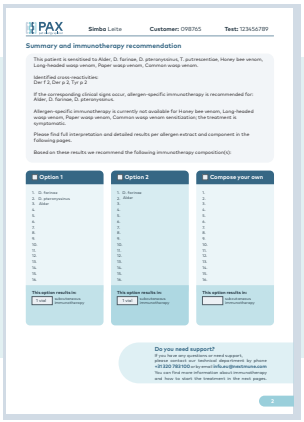
Der f 1
cysteine protease

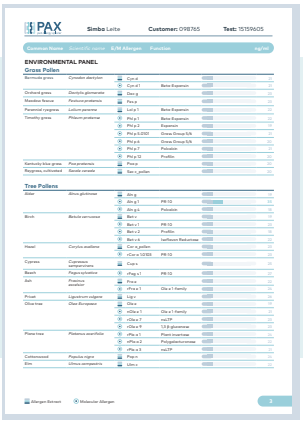
The PAX results are clearly set out, easy to interpret and include the following information:

- Summary of detectable sensitizations
- 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

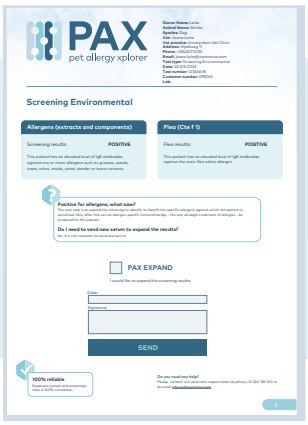
PAX Complete result







PAX Screening result



- Garanteed 100% reliable screening test
- Fast results
- Continuous support and advice with our vet allergy experts

PAX Allergens: Components & Extracts

	Common name	Scientific name	Extracts & Components
Grass Pollens	Bermuda grass	*Cynodon dactylon*	Cyn d *
			Cyn d 1
	Orchard grass	*Dactylis glomerata*	Dac g *
	Meadow fescue	*Festuca pratensis*	Fes p *
	Perennial ryegrass	*Lolium perenne*	Lol p 1
	Timothy	*Phleum pratense*	Phl p 1
			Phl p 2
			Phl p 5.0101
			Phl p 6
			Phl p 7
			Phl p 12
	Kentucky blue grass	*Poa pratensis*	Poa p *
	Ryegrass, cultivated	*Secale cereale*	Sec c_pollen *
Tree Pollens	Alder	*Alnus glutinosa*	Aln g *
			Aln g 1
			Aln g 4
	Silver birch	*Betula verrucosa*	Bet v *
			Bet v 1
			Bet v 2
			Bet v 6
	Hazel	*Corylus avellana*	Cor a_pollen *
			Cor a 1.0103
	Cypress	*Cupressus sempervirens*	Cup s *
	Beech	*Fagus sylvatica*	Fag s 1
	Ash	*Fraxinus excelsior*	Fra e *
			Fra e 1
	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 *
Weed Pollens	Ragweed	*Ambrosia artemisiifolia*	Amb a *
			Amb a 1
			Amb a 4
	Mugwort	*Artemisia vulgaris*	Art v *
			Art v 1.0101
			Art v 3.0201
	Lamb's quarter	*Chenopodium album*	Che a *
			Che a 1
	Wall pellitory	*Parietaria judaica*	Par j *
			Par j 2
	Ribwort / Plantain	*Plantago lanceolata*	Pla l *
			Pla l 1

	Common name	Scientific name	Extracts & Components
Weed Pollens	Dock/Sorrel	*Rumex crispus / acetosella*	Rum c / * Rum a
	Russian thistle	*Salsola kali*	Sal k *
			Sal k 1
	Nettle	*Urtica dioica*	Urt d *
Danders & Epithelia	Cattle	*Bos domesticus*	Bos d 2
	Dog	*Canis familiaris*	Can f 1
			Can f 2
			Can f 3
			Can f 4
			Can f 6
			Can f_maleurine (including Can f 5) *
			Can f Fel d 1 like
	Guinea pig	*Cavia porcellus*	Cav p 1
	Cat	*Felis domesticu*	Fel d 1
			Fel d 2
			Fel d 4
			Fel d 7
	Mouse	*Mus musculus*	Mus m 1
	Rabbit	*Oryctolagus cuniculus*	Ory c 1
			Ory c 2
			Ory c 3
Mites & Cockroaches	Acarus siro	*Acarus siro*	Aca s *
	German cockroach	*Blatella germanica*	Bla g *
			Bla g 1
			Bla g 2
			Bla g 4
			Bla g 5
			Bla g 9
	Dermatophagoi-des farinae	*Dermatopha-goides farinae*	Der f *
			Der f 1
			Der f 2
			Der f 15
			Der f 18
	Dermatopha-goides pteronys-sinus	*Dermatopha-goides pte-ronyssinus*	Der p *
			Der p 1
			Der p 2
			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 destructor	*Lepidoglyphus destructor*	Lep d *
		Lepidoglyphus destructor	Lep d 2

	Common name	Scientific name	Extracts & Components
	Tyrophagus putrescentiae	*Tyrophagus putrescentiae*	Tyr p *
		Tyrophagus putrescentiae	Tyr p 2
Moulds & Yeasts	Alternaria alternata	*Alternaria alternata*	Alt a *
			Alt a 1
			Alt a 6
	Aspergillus fumigatus	*Aspergillus fumigatus*	Asp f *
			Asp f 1
			Asp f 3
			Asp f 4
			Asp f 6
			Asp f 8
	Cladosporium herbarum	*Cladosporium herbarum*	Cla h *
			Cla h 8
	Malassezia pachydermatis	*Malassezia pachydermatis*	Mala p *
	Malassezia sympodialis	*Malassezia sympodialis*	Mala s 1
			Mala s 9
			Mala s 5
			Mala s 6
			Mala s 11
Insect Venoms	Honey bee venom	*Apis mellifera*	Api m *
			Api m 1
			Api m 2
			Api m 3
			Api m 5
			Api m 10
	Long-headed wasp venom	*Dolichovespula spp.*	Dol spp *
	Paper wasp venom	*Polistes dominulus*	Pol d *
			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
Biting Insects	Mosquito	*Aedes aegypti*	Aed a *
	Midges	*Culicoides nubeculosus*	Cul n *
		Culicoides obsoletus	Cul o 11 (CO167)
			Cul o 1P
			Cul o 8
			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 *

* Extract

	Common name	Scientific name	Extracts & Components
Foods	Linseed, flax	*Linum usitatissimum*	Lin u *
	Cottonseed	*Gossypium hirsutum*	Gos h *
	Lupine seed	*Lupinus albus*	Lup a *
	Great millet sorghum	*Sorghum bicolor*	Sor b *
	Oat	*Avena sativa*	Ave s *
	Buckwheat	*Fagopyrum esculentum*	Fag e *
			Fag e 2
	Sunflower seed	*Helianthus 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 *
	Wheat	*Triticum aestivum*	Tri a *
			Tri a 14
			Tri a 19
			Tri a aA_TI

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

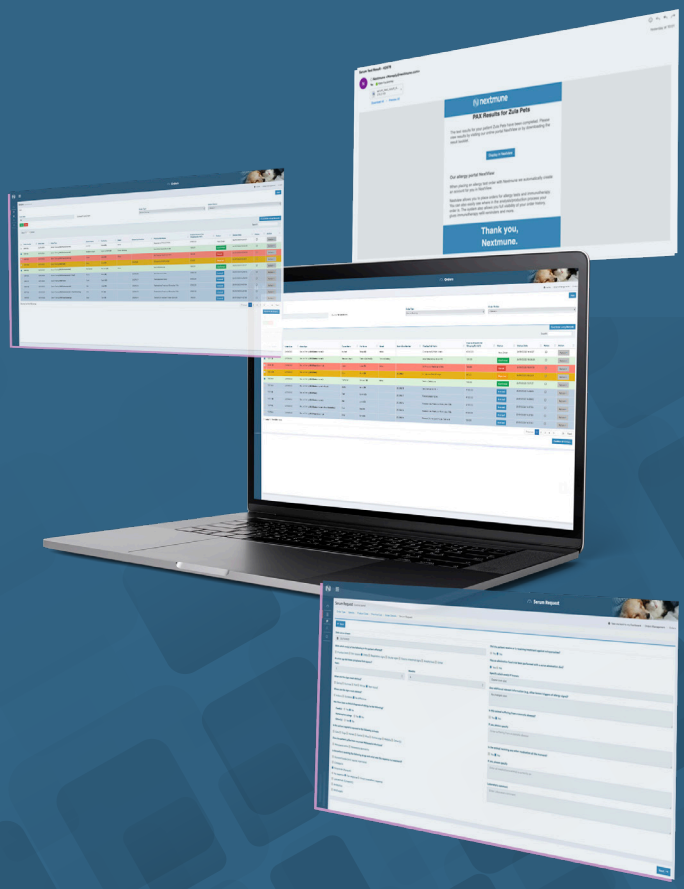
* Extract

nextview

NextView is a newly developed portal where you can manage all your allergy samples, PAX results, immunotherapy orders, reorders, and much more.

With Nextview you can:

- Follow the status of your samples
- Access all your samples information, if they are in transit, being tested, and when results are expected.
- Easily find all results in one location
- Easily expand your screening results to complete panels
- Forward results directly to your customers for convenience
- Select and order a recommended treatment option with only one click
- Easily access your order history and re-order treatments with only one click
- Request a samples pick up (coming soon)
- Access your treatment reminder system (coming soon)
- Easily access your invoices (coming soon)



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