NationWide Laboratories introduces a new testing method for allervet® service: PAX® Pet Allergy Xplorer Test powered by Nextmune

The PAX® - Pet Allergy Xplorer Test identifies allergens affecting animals and detects sensitisations by utilising state of the art molecular allergology. Molecular allergology helps pinpoint allergy triggers to facilitate therapy decisions and assess risk. It is the first quantitative macroarray IgE test designed specifically for animals. Single allergen components as well as whole allergen extracts are used for determination of specific IgE. 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.

TESTING OPTIONS

Complete Testing - Comprehensive testing of allergen specific IgE levels

Two step testing - Screen for food or environmental allergens followed by IgE results for individual allergens

CANINE AND FELINE COMPLETE TESTING

<table>
<thead>
<tr>
<th>Test Code</th>
<th>Description</th>
<th>Allergens Tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALXE</td>
<td>Allervet PAX Complete Environmental</td>
<td>Over 100 allergen extracts and components tested</td>
</tr>
<tr>
<td>ALXEF</td>
<td>Allervet PAX Complete Environmental and Food</td>
<td>Over 200 allergen extracts and components tested</td>
</tr>
<tr>
<td>ALXF</td>
<td>Allervet PAX Complete Food</td>
<td>Over 100 allergen extracts and components tested</td>
</tr>
</tbody>
</table>

TWO STEP TESTING

Step one – Request a screen
Step two – Request a panel for a positive screen result to give individual allergen IgE results

<table>
<thead>
<tr>
<th>Test Code</th>
<th>Description</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALXSE</td>
<td>Allervet PAX Environmental Screen</td>
<td>Single Positive/Negative result for presence of environmental allergens</td>
</tr>
<tr>
<td>ALXSEF</td>
<td>Allervet PAX Environmental and Food Screen</td>
<td>Single Positive/ Negative result for presence of environmental allergens plus Single Positive/ Negative result for food allergens</td>
</tr>
<tr>
<td>ALXSF</td>
<td>Allervet PAX Food Screen</td>
<td>Single Positive/ Negative result for the presence of food allergens</td>
</tr>
<tr>
<td>ALXE2</td>
<td>Expand Allervet PAX Environmental Screen</td>
<td>Over 100 allergen extracts and components tested</td>
</tr>
<tr>
<td>ALXSEF2</td>
<td>Expand Allervet PAX Environmental and Food Screen</td>
<td>Over 200 allergen extracts and components tested</td>
</tr>
<tr>
<td>ALXSF2</td>
<td>Expand Allervet PAX Food Screen</td>
<td>Over 100 allergen extracts and components tested</td>
</tr>
</tbody>
</table>

MAIN ADVANTAGES OF PAX® PET ALLERGY XPLORER

- Increased sensitivity and specificity
- Automated technology, giving improved reproducibility
- CCD blocking and 2 blocking efficiency detectors.
- Over 200 allergen extracts and components included.
- Smaller sample volume. Only 0.5 ml of serum needed per test.
- Identification of “primary” sensitizing allergens
- Improved identification of allergen cross-reactivities, leading to better treatment selection.
- Selection of relevant allergens for specific immunotherapy

All samples for environmental testing are tested for the presence of cross-reactive carbohydrate determinants. If they are present CCD blockers are added to the environmental tests.

ALLERGEN SPECIFIC IMMUNOTHERAPY

<table>
<thead>
<tr>
<th>Code</th>
<th>Immunotherapy</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTU1</td>
<td>5-8 allergens</td>
</tr>
<tr>
<td>ARTU2</td>
<td>1-4 allergens</td>
</tr>
</tbody>
</table>

www.nwlabs.co.uk

Delivering excellence in animal health
### FELINE AND CANINE ALLERGEN EXTRACTS

Allergen extract and individual component results are given in the final report as well as information on cross reactions.

#### GRASS POLLENS
- Bermuda grass: Cynodon dactylon
- Kentucky blue grass: Poa pratensis
- Meadow fescue: Festuca pratensis
- Orchard grass: Dactylis glomerata
- Perennial ryegrass: Lolium perenne
- Ryegrass, cultivated: Secale cereale
- Timothy grass: Phleum pratense

#### WEED POLLENS
- Dock/Sorrel: Rumex crispus / acetosella
- English Plantain: Poa pratensis
- Lamb’s quarter: Chenopodium album
- Mugwort: Artemisia vulgaris
- Nettle: Urtica dioica
- Pellitory: Parietaria judaica
- Ragweed: Ambrosia artemisiifolia
- Russian thistle: Salsola kali

#### TREE POLLENS
- Alder: Alnus glutinosa
- Ash: Fraxinus excelsior
- Beech: Fagus sylvatica
- Silver birch: Betula verrucosa
- Cypress: Cupressus sempervirens
- Elm: Ulmus campestris
- Hazel: Corylus avellana
- Olive: Olea Europaea
- Poplar/Cottonwood: Populus nigra
- Privet: Ligustrum vulgare
- Sycamore: Platanus acerifolia

#### MITES AND COCKROACHES
- Storage mite: Acarus siro
- American house dust mite: Dermatophagoides farinae
- European house dust mite: Dermatophagoides pteronyssinus
- Storage mite: Glycyphagus domesticus
- Storage mite: Lepidoglyphus destructor
- Storage mite: Tyrophagus putrescentiae
- German cockroach: Blatella germanica
- American cockroach: Periplaneta americana
- Flea

#### MOULDS AND YEASTS
- Alternaria alternata
- Aspergillus fumigatus
- Cladosporium herbarum
- Malassezia

#### FOOD
- Beef
- Turkey
- Cod
- Herring
- Salmon
- Mackerel
- Tuna
- Chicken
- Lamb
- Pork
- Rabbit
- Horse
- Egg white
- Egg yolk
- Soy
- Mealworm

#### INSECT VENOMS
- Common wasp venom
- Fire Ant venom
- Honeybee venom
- Long-headed wasp venom
- Paper wasp venom

#### EPITHELIA
- Cat/Dog
- Cattle
- Guinea pig
- Horse
- Mouse
- Rabbit

---

**WHY CHOOSE US**

Allervet® provides a comprehensive allergy testing service for cats, dogs and horses, supported by our excellence. We offer friendly service and rapid, reliable results to help you fulfil your diagnostic and therapeutic objectives.

www.nwlabs.co.uk

**Delivering excellence in animal health**
# EQUINE ALLERGY TESTING

## EQUINE COMPLETE TESTING

<table>
<thead>
<tr>
<th>Test Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EALXE</td>
<td>Equine Allervert PAX Complete Environmental and Insect Screen</td>
</tr>
<tr>
<td>EALXEF</td>
<td>Equine Allervert PAX Complete Environmental, Insect and Food Screen</td>
</tr>
<tr>
<td>EALXF</td>
<td>Equine Allervert PAX Complete Food Screen</td>
</tr>
</tbody>
</table>

## TWO STEP TESTING

**Step one** – Request a screen  
**Step two** – Request a panel for a positive screen result to give individual allergen IgE results

### GRASS POLLENS
- Bermuda grass  
- Kentucky blue grass  
- Meadow fescue  
- Orchard grass, Cockfoot  
- Perennial ryegrass  
- Ryegrass, cultivated  
- Timothy grass  

### WEED POLLENS
- Dock/Sorrel  
- English Plantain  
- Lamb’s quarter  
- Mugwort  
- Nettle  
- Pellitory  
- Ragweed  
- Russian thistle  

### TREE POLLENS
- Alder  
- Ash  
- Beech  
- Silver birch  
- Cypress  
- Elm  
- Hazel  
- Poplar  
- Poplar/Cottonwood  
- Privet  
- Sycamore  

### MOLDS AND YEASTS
- Alternaria alternata  
- Aspergillus fumigatus  
- Cladosporium herbarum  
- Malassezia  

### MITES AND INSECTS
- Deer fly  
- Mosquito – Culicidae  
- Midge  
- Stable fly  
- Horse fly  
- American mite dust mite  
- European house dust mite  
- Storage mite  
- Storage mite  
- German cockroach  
- American cockroach  

### FOOD
- Soy  
- Wheat  
- Carrot  
- Oat  
- Rice  
- Pea  
- Corn  

### INSECT VENOMS
- Common wasp venom  
- Fire Ant venom  
- Honeybee venom  
- Long-headed wasp venom  
- Paper wasp venom  

### EPITHELIUM
- Cat  
- Dog  
- Cattle  
- Guinea pig  
- Mouse  
- Rabbit  

---

**EQUINE ALLERGEN EXTRACTS**

Allergen extract and individual component results are given in the final report as well as information on cross reactions.

<table>
<thead>
<tr>
<th>Test Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EALXSE</td>
<td>Equine Allervert PAX Environmental and Insect Screen</td>
</tr>
<tr>
<td>EALXSEF</td>
<td>Equine Allervert PAX Environmental, Insect and Food Screen</td>
</tr>
<tr>
<td>EALXSF</td>
<td>Equine Allervert PAX Food Screen</td>
</tr>
<tr>
<td>EALXE2</td>
<td>Equine Expand Allervert PAX Environmental and Insect Screen</td>
</tr>
<tr>
<td>EALXSEF2</td>
<td>Equine Expand Allervert PAX Environmental, Insect and Food Screen</td>
</tr>
<tr>
<td>EALXSF2</td>
<td>Equine Expand Allervert PAX Food Screen</td>
</tr>
</tbody>
</table>

**WHY CHOOSE US**

allervet® provides a comprehensive allergy testing service for cats, dogs and horses, supported by our excellence. We offer friendly service and rapid, reliable results to help you fulfill your diagnostic and therapeutic objectives. [www.nwlabs.co.uk](http://www.nwlabs.co.uk)

---

NationWide Laboratories is a trading business of National Veterinary Services Ltd. Spitfire House, Iron Place, Stoke-on-Trent, ST1 5FG.
WHY CHOOSE US

Here is the reason allervet® provides a comprehensive allergy testing service for cats, dogs and horses, supported by our excellence. We offer friendly service and rapid, reliable results to help you fulfil your diagnostic and therapeutic objectives

www.nwlabs.co.uk

POLLEN CALENDAR

The pollen calendar indicates the average pattern of pollen release for the UK. Timings may vary according to weather conditions and exact geographical location.

* Grasses flowering within this period include: Ryegrass, Meadow Grass, Meadow Fescue, Bent Grass, Velvet Grass & Quack Grass

Allergens | January | February | March | April | May | June | July | August | September | October | November | December
---|---|---|---|---|---|---|---|---|---|---|---|---
Alder and Hazel | X | X | X | X
Elm and Willow | X | X | X
Poplar | X | X | X
Beech and Oak | X | X | X | X
Mimosa | X | X | X
Ash and Birch | X | X | X | X
Sweet Vernal | X | X | X | X
Plantain | X | X | X | X
Dandelion | X | X | X | X | X
Pine and Sorrel | X | X | X
Ox-eye Daisy | X | X | X
Rye and Wheat | X | X | X
Rape | X | X | X | X
Grasses* | X | X | X | X
Privet | X | X
Barley and Oat | X | X | X
False Acacia | X | X | X
Maize | X | X | X
Cocksfoot | X | X | X | X
Timothy | X | X | X
Bermuda Grass | X | X | X | X | X
Nettle | X | X | X | X
Goosefoot | X | X | X | X
Mugwort | X | X | X
Russian Thistle | X | X | X | X
Ragweed | X | X | X

* Grasses flowering within this period include: Ryegrass, Meadow Grass, Meadow Fescue, Bent Grass, Velvet Grass & Quack Grass

Delivering excellence in animal health

allervet® provides a comprehensive allergy testing service for cats, dogs and horses, supported by our excellence. We offer friendly service and rapid, reliable results to help you fulfil your diagnostic and therapeutic objectives www.nwlabs.co.uk