



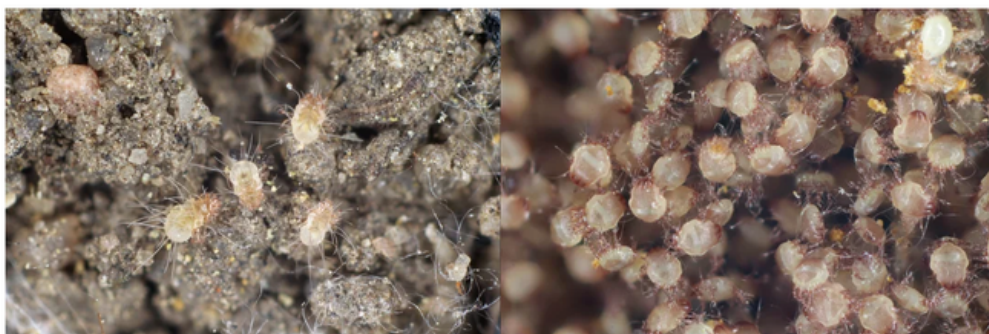
# House dust mite allergy and its solution



Allergen exposure associated with house dust mite allergy is at its highest between May and October, the peak breeding season of house dust mites. Most of the mites die during the winter, but animals can still be allergic to dead mites. For this reason, insecticidal sprays that kill the mites are not enough to help reduce exposure to house dust mites. The onset of winter means indoor heating systems are turned on and the allergen containing dust is stirred up by the warm indoor air. This often causes the symptoms experienced by affected patients year-round to worsen during the winter.

Some facts about house dust mites:

The most common house dust mites are *Dermatophagoides pteronyssinus* and *Dermatophagoides farinae*. They are brothers, although *D. farinae* is causing the most frequent sensitisation in animals. Animals are allergic to specific proteins that make up the mites and their faeces.



*Dermatophagoides pteronyssinus* and *Dermatophagoides farinae*

House dust mites are found in every home and are not a sign of poor hygiene. They prefer warm, damp, dark places. Mites thrive at a humidity of 70 to 80 per cent and temperatures above 25 degrees. They are not present in dry climate areas, even in dusty conditions. They need a damp environment to survive, since they take moisture from the air rather than drinking. They feed mainly on the dead skin shed from humans and animals. Their genus name 'Dermatophagoides' comes from the Greek, meaning 'skin eaters'. In homes, they prefer bedrooms and the interiors and surfaces of mattresses, blankets and pillows. These places provide them with optimal living conditions.

Now there is a solution in the form of an allergen neutralising spray!

Pet's Relief® ALLERGONE spray changes the chemical structure of house dust mite and their droppings (which is what animals are actually allergic to). As a result, the immune system of the animal does not recognise the proteins of the mites and their droppings anymore, preventing an allergic reaction.



Allergone spray contains an aqueous suspension of microcapsules. The core of the microcapsules is filled with a mixture of substances affecting the chemical structure of allergen particles. Allergone forms a polymer film that glues dust allergens in larger particles stopping them floating in the air and allowing aggregated allergens to be removed easily with conventional cleaning.

Mite allergens are found in dust-filled textiles in the highest concentrations; these include upholstered furniture, carpets, curtains and plush toys as well as beds. Apply Allergone to these dust-filled textiles. and the innovative microcapsulation technology (Slow Release™ Technology) will do its job. Allergone provides a long term protection against house dust mites of up to 5 months after a single application. The 400ml bottle is enough to spray a surface of approximately 40m<sup>2</sup>.

For more information on Allergone and details of an Autumn /Winter Special Offer, click here:

[MORE INFO](#)

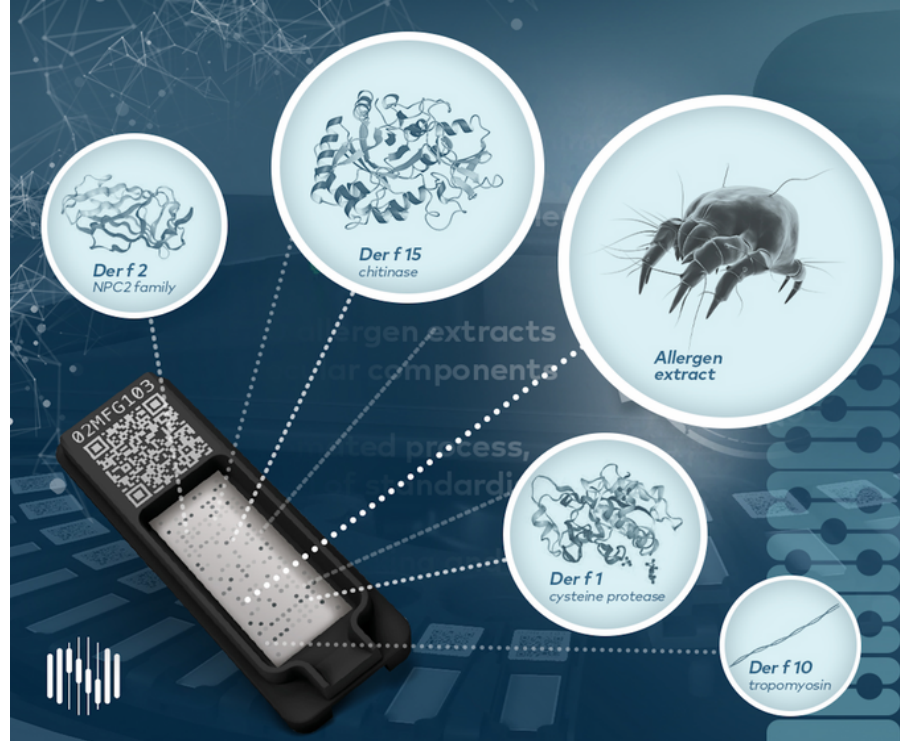


# Testing for House Dust Mite Allergy

with



from



Sensitisation to house dust mites is one of the most common causes of atopy in dogs and cats. Allergy serum testing is one way to help identify whether a patient has an allergy to dust mites. With the new PAX serum test from Nextmune UK Laboratories, identifying sensitisations to house dust just got a lot more reliable!

The next-generation PAX test is the first test for animals to utilise allergen component testing.

Traditional ELISA-based allergy testing relies on allergen extract technology. With PAX, we now look at over 150 allergen component proteins in addition to extracts. This means that for the first time, we can test serum and measure IgE against the individual specific proteins that trigger an allergic reaction. By doing so, the overall specificity and reliability of the test is greatly improved. With additional CCD blockers and CCD blocking efficiency detectors to rule out false positives, the PAX test is the most advanced serum test available.

To help clinicians get an overview of the benefits of PAX, Head of R&D at Nextmune, Thierry Olivry, has recorded four short videos taking a closer look at how macroarray testing works and how it will benefit you and your patients. Click below to watch the videos:

[MORE INFO](#)



To book in-clinic training on PAX, contact your local Nextmune Territory Manager or email [vetenquiries.uk@nextmune.com](mailto:vetenquiries.uk@nextmune.com)