



# DOG

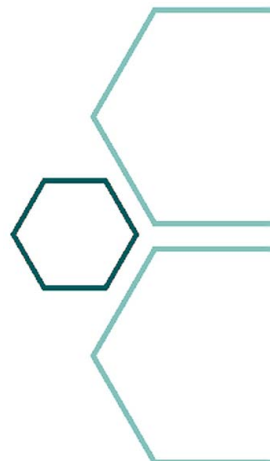
## Allergy Test 64

Allergy Test Report

**Case Number:**

**Date:**

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# Introduction to The IgE Test

Allergies in dogs occur when the immune system overreacts to substances that are normally harmless, called **allergens** (e.g., pollens, dust mites, foods). The **IgE test** measures the amount of specific **Immunoglobulin E** (IgE) antibodies in the dog's blood for each tested allergen. **Elevated levels indicate sensitisation** - that is, an abnormal immune response.

**This test is useful for identifying potential causes of the following conditions:**

- Persistent itching
- Recurrent ear infections (otitis)
- Skin problems (e.g., dermatitis, hair loss)
- Chronic gastrointestinal disorders

The IgE test is based on a blood sample and can be performed **at any time without interrupting the dog's diet.**

## Allergies vs. Intolerances

| Feature          | Allergy (IgE-mediated)                                                                         | Intolerance (non-IgE)                                                                               |
|------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Origin           | Immune-mediated response involving IgE antibodies                                              | Not caused by the immune system; often digestive or metabolic in nature                             |
| Reaction Time    | Immediate to within a few hours (typically seconds to 1-2 hours)                               | Delayed reactions - usually from 30 min to several hours, even up to 48-72 h                        |
| Typical Symptoms | Itching, swelling, inflammation, rash<br>- can escalate to anaphylaxis in severe cases         | Digestive issues like diarrhea, bloating, fatigue; skin symptoms less common and milder             |
| Diagnosis        | Skin prick test, specific IgE blood tests; sometimes intradermal tests or oral food challenges | Elimination diets followed by food reintroduction, clinical history; no validated IgE-based testing |

- **True allergies** are rarer but more serious.
- **Intolerances** are more common and often related to digestion or the accumulation of substances.

# Allergy Test Results

Scientific Director:  
**Dr. Silvia Quattrone**

Case Number

Dog's Name

Dog's Sex

| Nr. | Name                  | Code    | AU/mL | Class | Nr. | Name                 | Code    | AU/mL | Class |
|-----|-----------------------|---------|-------|-------|-----|----------------------|---------|-------|-------|
| 1   | D. pteronyssinus      | d1      | <0.15 | 0     | 31  | Cockroach            | i6      | <0.15 | 0     |
| 2   | D. farinae            | d2      | <0.15 | 0     | 32  | Pork                 | f26     | 0.28  | 0     |
| 3   | Acarus siro           | d70     | <0.15 | 0     | 33  | Beef                 | f27     | 0.17  | 0     |
| 4   | T. putrescentiae      | d72     | 0.19  | 0     | 34  | Duck meat            | f581    | <0.15 | 0     |
| 5   | Alder/Birch           | t2/t3   | <0.15 | 0     | 35  | Chicken              | f83     | <0.15 | 0     |
| 6   | Hazel                 | t4      | <0.15 | 0     | 36  | Lamb meat            | f88     | <0.15 | 0     |
| 7   | Maple leaf sycamore   | t11     | <0.15 | 0     | 37  | Turkey meat          | f284    | 0.16  | 0     |
| 8   | Willow/Cottonwood     | t12/t14 | <0.15 | 0     | 38  | Red deer             | f867    | <0.15 | 0     |
| 9   | Oak                   | t7      | 0.49  | 1     | 39  | Wheat                | f4      | <0.15 | 0     |
| 10  | White pine            | t16     | <0.15 | 0     | 40  | Corn                 | f8      | <0.15 | 0     |
| 11  | Acacia                | t19     | <0.15 | 0     | 41  | Rice                 | f9      | 0.28  | 0     |
| 12  | White ash             | t15     | <0.15 | 0     | 42  | Pea                  | f12     | <0.15 | 0     |
| 13  | Common ragweed        | w1      | 0.39  | 1     | 43  | Soy bean             | f14     | <0.15 | 0     |
| 14  | Plantain              | w9      | 0.25  | 0     | 44  | Carrot               | f31     | <0.15 | 0     |
| 15  | Mugwort               | w6      | <0.15 | 0     | 45  | Potato               | f35     | <0.15 | 0     |
| 16  | Sheep's sorrel        | w18     | <0.15 | 0     | 46  | Sweet potato         | f54     | <0.15 | 0     |
| 17  | Bermuda grass         | q2      | <0.15 | 0     | 47  | Pumpkin              | f225    | <0.15 | 0     |
| 18  | Orchard/Timothy grass | q3/q6   | <0.15 | 0     | 48  | Tomato               | f25     | <0.15 | 0     |
| 19  | Ryegrass              | q5      | <0.15 | 0     | 49  | Apple                | f49     | <0.15 | 0     |
| 20  | Cultivated rye        | q12     | <0.15 | 0     | 50  | Yeast, baker's       | f45     | <0.15 | 0     |
| 21  | Cat epithelium        | e1      | <0.15 | 0     | 51  | Egg white            | f1      | <0.15 | 0     |
| 22  | Wool, sheep           | e81     | 0.17  | 0     | 52  | Egg yolk             | f75     | <0.15 | 0     |
| 23  | Feather mix           | ex1     | <0.15 | 0     | 53  | Milk                 | f2      | <0.15 | 0     |
| 24  | P. notatum            | m1      | 0.25  | 0     | 54  | Cheddar/Gouda cheese | f81     | <0.15 | 0     |
| 25  | C. herbarum           | m2      | <0.15 | 0     | 55  | Crab/Shrimp          | f23/f24 | <0.15 | 0     |
| 26  | A. fumigatus          | m3      | <0.15 | 0     | 56  | Codfish              | f3      | <0.15 | 0     |
| 27  | Candida albicans      | m5      | <0.15 | 0     | 57  | Tuna                 | f40     | <0.15 | 0     |
| 28  | A. alternata          | m6      | <0.15 | 0     | 58  | Salmon               | f41     | <0.15 | 0     |
| 29  | M. pachydermatis      | m227    | <0.15 | 0     | 59  | Mackerel             | f206    | <0.15 | 0     |
| 30  | Flea                  | B22     | <0.15 | 0     | 60  | Peanut               | f13     | <0.15 | 0     |

**Please note:**

Alder/ Birch, Willow/Cottonwood, Orchard/Timothy grass, and Crab/Shrimp are each reported on one line in the table above, so the total number of tested allergens on this page is 64.

# Reference Values

## for Result Interpretation

| AU/mL      | Class | Specific IgE Quantity per Allergen                                                |
|------------|-------|-----------------------------------------------------------------------------------|
| ≤ 0.34     | 0     | Not detected → No signs of allergy.                                               |
| 0.35-3.49  | 1     | Low → A small amount of IgE;<br>possible mild or non-significant allergy.         |
| 3.50~49.99 | 2     | Moderate → A moderate amount of IgE;<br>more evident potential allergic response. |
| ≥ 50.00    | 3     | High → A large amount of IgE;<br>strong probability of allergy to that substance. |

### AU/mL:

The unit of measurement indicating how much allergen-specific IgE antibody was found in the blood sample.

### Class:

A categorical label summarising the quantity of specific IgE to make interpretation easier. The higher the value, the more likely the dog is allergic to that substance. Very low or zero values indicate that there is probably no allergy.

### Practical Recommendations:

**Avoid reactive allergen:** Minimise exposure to identified triggers (e.g., dietary or environmental).

**Elimination diet:** Use single-protein or hydrolyzed diets for 6–8 weeks if food allergens are suspected.

**Consult your veterinarian:** Integrate test results with your dog's clinical history and symptoms.

**Possible treatments:** Options may include antihistamines, immunotherapy, or supplements, depending on vet's advice.

### Disclaimer:

The IgE test measures sensitisation, not a definitive clinical diagnosis. Some dogs may show elevated IgE without symptoms, or have normal IgE levels and still exhibit allergic reactions. This report is for informational purposes only and should always be interpreted by a qualified veterinarian.

## 64 Allergens Covered in Our Test

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- |                             |                              |                              |
|-----------------------------|------------------------------|------------------------------|
| 1. Acacia                   | 23. Dermatophagoides Farinae | 44. Potato                   |
| 2. Acarus Siro              | 24. Dermatophagoides         | 45. Pumpkin                  |
| 3. Alder                    | Pteronyssinus                | 46. Red Deer                 |
| 4. Alternaria Alternata     | 25. Duck Meat                | 47. Rice                     |
| 5. Apple                    | 26. Egg White                | 48. Ryegrass                 |
| 6. Aspergillus Fumigatus    | 27. Egg Yolk                 | 49. Salmon                   |
| 7. Beef                     | 28. Feather Mix              | 50. Sheep's Sorrel           |
| 8. Bermuda Grass            | 29. Flea                     | 51. Shrimp                   |
| 9. Birch                    | 30. Hazel                    | 52. Soy Bean                 |
| 10. Candida Albicans        | 31. Lamb Meat                | 53. Sweet Potato             |
| 11. Carrot                  | 32. Mackerel                 | 54. Timothy Grass            |
| 12. Cat Epithelium & Dander | 33. Malassezia Pachydermatis | 55. Tomato                   |
| 13. Cheddar/Gouda Cheese    | 34. Maple Leaf Sycamore      | 56. Tuna                     |
| 14. Chicken                 | 35. Milk                     | 57. Turkey Meat              |
| 15. Cladosporium Herbarum   | 36. Mugwort                  | 58. Tyrophagus Putrescentiae |
| 16. Cockroach               | 37. Oak                      | 59. Wheat                    |
| 17. Codfish                 | 38. Orchard                  | 60. White Ash                |
| 18. Common Ragweed          | 39. Pea                      | 61. White Pine               |
| 19. Corn                    | 40. Peanut                   | 62. Willow                   |
| 20. Cottonwood              | 41. Penicillium Notatum      | 63. Wool, Sheep              |
| 21. Crab                    | 42. Plantain                 | 64. Yeast, Baker's           |
| 22. Cultivated Rye          | 43. Pork                     |                              |