

PATIENT NAME:

 XXXX

DATE OF BIRTH:



SAMPLE ID:

 XXXX

QR-CODE:

 XXXX

TECHNOLOGY: MOLECULAR NANO MICROARRAY  
COMPONENT RESOLVED DIAGNOSTIC  
ORBITO ASIA DIAGNOSTICS

REFERRING PHYSICIAN:

XXXX

TESTED ALLERGENS:

XXXX

ANALYZED ON:

XXXX

ADDITIONAL INFORMATION:

TEST METHOD: ALLER IGE  
ORBITO ASIA DIAGNOSTICS

**Total IgE: 297 kU/L**

**Normal Total-IgE**  
**Adults: < 100 kU/L**

## Report Summary

### INSECTS & VENOMS

Ant, Bee, Wasp 


Cockroach 

### EPITHELIAL TISSUES OF ANIMALS

Pets 

Farm Animals 

### OTHERS

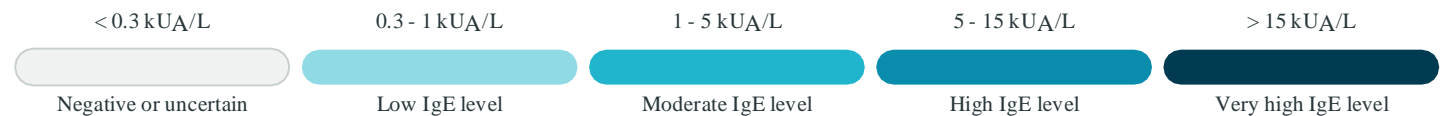
Latex 

Ficus 

CCD 

Parasite 

### Highest measured IgE concentration per allergen group



#### Disclaimer :

All laboratory test results must be interpreted within the context of the patient and should be used along with test and clinical findings. Laboratory test results may vary depending upon age, sex, time of sample collection, diet, medication and physiological variations.  
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#### Customer Care

0422 - 4030201

0422 - 4030202

#### Reports

0422 - 4030203

0422 - 4030204

## Summary of all positive results

| Name                        | E/M | Allergen | Protein Family | kUA/L |
|-----------------------------|-----|----------|----------------|-------|
| <b>INSECTS &amp; VENOMS</b> |     |          |                |       |
| <b>Wasp Venom</b>           |     |          |                |       |
| Wasp venom                  | ●   | Ves v 5  | Antigen 5      | 1.44  |

## Summary of all negative results

| Name                            | E/M  | Allergen | Protein Family     | kUA/L  |
|---------------------------------|------|----------|--------------------|--------|
| <b>INSECTS &amp; VENOMS</b>     |      |          |                    |        |
| <b>Fire ant poison</b>          |      |          |                    |        |
| Fire ant                        | ●●●● | Sol spp. |                    | ≤ 0.10 |
| <b>Honey Bee Venom</b>          |      |          |                    |        |
| Honey bee                       | ●●●● | Api m    |                    | ≤ 0.10 |
|                                 | ●    | Api m 1  | Phospholipase A2   | 0.12   |
|                                 | ●    | Api m 10 | Icarapin Variant 2 | ≤ 0.10 |
| <b>Wasp Venom</b>               |      |          |                    |        |
| Hornet                          | ●●●● | Dol spp  |                    | 0.25   |
| Paper wasp venom                | ●●●● | Pol d    |                    | ≤ 0.10 |
|                                 | ●    | Pol d 5  | Antigen 5          | ≤ 0.10 |
| Wasp venom                      | ●●●● | Ves v    |                    | 0.21   |
|                                 | ●    | Ves v 1  | Phospholipase A1   | ≤ 0.10 |
| <b>Cockroach</b>                |      |          |                    |        |
| Cockroach (Blattella germanica) | ●    | Bla g 1  | Cockroach Group 1  | ≤ 0.10 |
|                                 | ●    | Bla g 2  | Aspartyl protease  | ≤ 0.10 |
|                                 | ●    | Bla g 4  | Lipocalin          | ≤ 0.10 |

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| Name                              | E/M | Allergen | Protein Family            | kU <sub>A</sub> /L |
|-----------------------------------|-----|----------|---------------------------|--------------------|
| Cockroach (Periplaneta americana) | ⊙   | Bla g 5  | Glutathione S-transferase | ≤ 0.10             |
|                                   | ⊙   | Bla g 9  | Arginine kinase           | ≤ 0.10             |
|                                   | ⊙   | Per a    |                           | ≤ 0.10             |
|                                   | ⊙   | Per a 7  | Tropomyosin               | ≤ 0.10             |

## ANIMAL ORIGIN

### Pet

|                                |   |                  |               |        |
|--------------------------------|---|------------------|---------------|--------|
| Dog                            | ⊙ | Can f_Fd1        | Uteroglobin   | ≤ 0.10 |
| Male dog urine (incl. Can f 5) | ⊙ | Can f_male urine |               | ≤ 0.10 |
| Dog                            | ⊙ | Can f 1          | Lipocalin     | ≤ 0.10 |
|                                | ⊙ | Can f 2          | Lipocalin     | ≤ 0.10 |
|                                | ⊙ | Can f 3          | Serum Albumin | ≤ 0.10 |
|                                | ⊙ | Can f 4          | Lipocalin     | ≤ 0.10 |
|                                | ⊙ | Can f 6          | Lipocalin     | ≤ 0.10 |
| Guinea pig                     | ⊙ | Cav p 1          | Lipocalin     | ≤ 0.10 |
| Cat                            | ⊙ | Fel d 1          | Uteroglobin   | ≤ 0.10 |
|                                | ⊙ | Fel d 2          | Serum Albumin | ≤ 0.10 |
|                                | ⊙ | Fel d 4          | Lipocalin     | ≤ 0.10 |
|                                | ⊙ | Fel d 7          | Lipocalin     | ≤ 0.10 |
| House mouse                    | ⊙ | Mus m 1          | Lipocalin     | ≤ 0.10 |
| Rabbit, epithel                | ⊙ | Ory c 1          | Lipocalin     | ≤ 0.10 |
|                                | ⊙ | Ory c 2          | Lipophilin    | ≤ 0.10 |
|                                | ⊙ | Ory c 3          | Uteroglobin   | ≤ 0.10 |
| Djungarian hamster             | ⊙ | Phod s 1         | Lipocalin     | ≤ 0.10 |
| Rat                            | ⊙ | Rat n            |               | ≤ 0.10 |

### Farm Animals

|                |   |                 |               |        |
|----------------|---|-----------------|---------------|--------|
| Cattle         | ⊙ | Bos d 2         | Lipocalin     | ≤ 0.10 |
| Goat, epithel  | ⊙ | Cap h_epithelia |               | ≤ 0.10 |
| Horse, epithel | ⊙ | Equ c 1         | Lipocalin     | ≤ 0.10 |
|                | ⊙ | Equ c 3         | Serum Albumin | ≤ 0.10 |
|                | ⊙ | Equ c 4         | Latherin      | ≤ 0.10 |
| Sheep, epithel | ⊙ | Ovi a_epithelia |               | ≤ 0.10 |
| Pig            | ⊙ | Sus d_epithelia |               | ≤ 0.10 |

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| Name | E/M | Allergen | Protein Family | kU <sub>A</sub> /L |
|------|-----|----------|----------------|--------------------|
|------|-----|----------|----------------|--------------------|

## OTHERS

### Latex

|       |                                  |            |                               |                             |
|-------|----------------------------------|------------|-------------------------------|-----------------------------|
| Latex | <input checked="" type="radio"/> | Hev b 1    | Rubber elongation factor      | ≤ 0.10 <input type="text"/> |
|       | <input checked="" type="radio"/> | Hev b 3    | Small rubber particle protein | ≤ 0.10 <input type="text"/> |
|       | <input checked="" type="radio"/> | Hev b 5    | unknown                       | ≤ 0.10 <input type="text"/> |
|       | <input checked="" type="radio"/> | Hev b 6.02 | Hevein                        | ≤ 0.10 <input type="text"/> |
|       | <input checked="" type="radio"/> | Hev b 8    | Profilin                      | ≤ 0.10 <input type="text"/> |
|       | <input checked="" type="radio"/> | Hev b 11   | Class 1 Chitinase             | ≤ 0.10 <input type="text"/> |

### Ficus

|             |                                  |       |  |                             |
|-------------|----------------------------------|-------|--|-----------------------------|
| Weeping fig | <input checked="" type="radio"/> | Fic b |  | ≤ 0.10 <input type="text"/> |
|-------------|----------------------------------|-------|--|-----------------------------|

### CCD

|                   |                                  |          |     |                             |
|-------------------|----------------------------------|----------|-----|-----------------------------|
| Hom s Lactoferrin | <input checked="" type="radio"/> | Hom s LF | CCD | ≤ 0.10 <input type="text"/> |
|-------------------|----------------------------------|----------|-----|-----------------------------|

### Parasite

|             |                                  |         |           |                             |
|-------------|----------------------------------|---------|-----------|-----------------------------|
| Pigeon tick | <input checked="" type="radio"/> | Arg r 1 | Lipocalin | ≤ 0.10 <input type="text"/> |
|-------------|----------------------------------|---------|-----------|-----------------------------|

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## Raven Interpretation Summary

### Sample Information

The sample was tested on ALEX<sup>2</sup> Barcode 02BFW382, interpretation date 27/07/2024.

Of the tested 295 allergens, 2 were/was above the cut off of 0.3 kU<sub>A</sub>/L. A sensitisation can be an indicator of an IgE dependent allergy. Kindly correlate with clinical symptoms. For all positive ALEX<sup>2</sup> allergens, comments for interpretation guidance are listed below.

### Total IgE: 297 kU/L

The measured total IgE was 297 kU/L. With a total IgE titre above 100 kU/L, allergy is likely.

### Insect Venoms

#### Wasp

Sensitisation to wasp venom was detected. Allergic symptoms associated with wasp venom allergy range from local to severe anaphylactic reactions.

Ves v 5 is a member of the Antigen 5 allergen family, which serves as a marker for AIT indication, if corresponding clinical symptoms are present. The degree of cross-reactivity between Ves v 5 and other members of the Antigen 5 allergen family is high to other vespula species and lower to dolichovespula and vespa species.

As avoidance of wasps is difficult, AIT is the major therapy option in wasp venom allergy. Additionally the prescription of an emergency kit (incl. adrenalin autoinjector for severe cases) is advised.

include extensive patient training on avoidance measures and the prescription of an emergency kit (including adrenalin autoinjector for severe cases).

**DISCLAIMER: THE PRESENCE OF IgE-ANTIBODIES IMPLIES A RISK OF ALLERGIC REACTIONS AND HAS TO BE ANALYZED IN CONJUNCTION WITH THE CLINICAL HISTORY AND OTHER DIAGNOSTIC TEST RESULTS. THE RAVEN INTERPRETATION GUIDANCE SOFTWARE IS A TOOL TO SUPPORT PHYSICIANS IN THE INTERPRETATION OF ALEX 2 RESULTS. RAVEN COMMENTS DO NOT REPLACE THE DIAGNOSIS BY A PHYSICIAN. NO LIABILITY IS ACCEPTED FOR RAVEN COMMENTS AND RESULTING THERAPEUTIC INTERVENTIONS. THE STATED COMMENTS ARE DESIGNED EXCLUSIVELY FOR ALEX2 RESULTS.**

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