



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:

295

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

### POLLEN

Grass Pollen



Tree Pollen



Weed Pollen



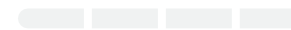
### MITES

House Dust Mites & Storage Mites

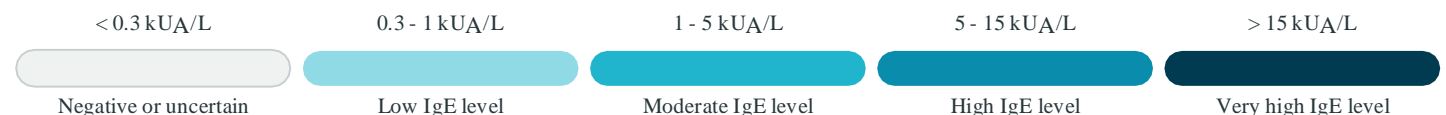


### MICROORGANISMS

Fungal Spores & Yeast



### Highest measured IgE concentration per allergen group



#### Disclaimer :

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## Summary of all positive results

Name	E/M	Allergen	Protein Family	kU <sub>A</sub> /L
<b>ANIMAL FOOD</b>				
<b>Seafood</b>				
Grass Pollen	●	xxxx	xxxxx	xxxx 

## Summary of all negative results

Name	E/M	Allergen	Protein Family	kU <sub>A</sub> /L
<b>POLLEN</b>				
<b>Grass Pollen</b>				
Bermuda grass	●●●●	Cyn d		≤ 0.10 
	●	Cyn d 1	Beta-Expansin	≤ 0.10 
Perennial Ryegrass	●	Lol p 1	Beta-Expansin	≤ 0.10 
Bahia grass	●●●●	Pas n		≤ 0.10 
Timothy grass	●	Phl p 1	Beta-Expansin	≤ 0.10 
	●	Phl p 2	Expansin	≤ 0.10 
	●	Phl p 5.0101	Grass Group 5/6	≤ 0.10 
	●	Phl p 6	Grass Group 5/6	≤ 0.10 
	●	Phl p 7	Polcalcin	≤ 0.10 
	●	Phl p 12	Profilin	≤ 0.10 
Common reed	●●●●	Phr c		≤ 0.10 
Cultivated rye, Pollen	●●●●	Sec c_pollen		≤ 0.10 
<b>Tree Pollen</b>				
Acacia	●●●●	Aca m		≤ 0.10 
Tree of Heaven	●●●●	Ail a		≤ 0.10 
Alder	●	Aln g 1	PR-10	≤ 0.10 
	●	Aln g 4	Polcalcin	≤ 0.10 
Silver birch	●	Bet v 1	PR-10	≤ 0.10 
	●	Bet v 2	Profilin	≤ 0.10 

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Name	E/M	Allergen	Protein Family	kUA/L
	⊙	Bet v 6	Isoflavon Reductase	≤ 0.10
Paper mulberry	⊙	Bro pa		≤ 0.10
Hazel pollen	⊙	Cor a_pollen		≤ 0.10
	⊙	Cor a 1.0103	PR-10	≤ 0.10
Sugi	⊙	Cry j 1	Pectate Lyase	≤ 0.10
Cypress	⊙	Cup a 1	Pectate Lyase	≤ 0.10
	⊙	Cup s		≤ 0.10
Beech	⊙	Fag s 1	PR-10	≤ 0.10
Ash	⊙	Fra e		≤ 0.10
	⊙	Fra e 1	Ole e 1-Family	≤ 0.10
Walnut pollen	⊙	Jug r_pollen		≤ 0.10
Mountain cedar	⊙	Jun a		≤ 0.10
Mulberry	⊙	Mor r		≤ 0.10
Olive	⊙	Ole e 1	Ole e 1-Family	≤ 0.10
	⊙	Ole e 9	1,3 β Glucanase	≤ 0.10
Date palm	⊙	Pho d 2	Profilin	≤ 0.10
London plane tree	⊙	Pla a 1	Plant Invertase	≤ 0.10
	⊙	Pla a 2	Polygalacturonase	≤ 0.10
	⊙	Pla a 3	nsLTP	≤ 0.10
Cottonwood	⊙	Pop n		≤ 0.10
Elm	⊙	Ulm c		≤ 0.10

## Weed Pollen

Common Pigweed	⊙	Ama r		≤ 0.10
Ragweed	⊙	Amb a		≤ 0.10
	⊙	Amb a 1	Pectate Lyase	≤ 0.10
	⊙	Amb a 4	Plant Defensin	≤ 0.10
Mugwort	⊙	Art v		≤ 0.10
	⊙	Art v 1	Plant Defensin	≤ 0.10
	⊙	Art v 3	nsLTP	≤ 0.10
Hemp	⊙	Can s		≤ 0.10
	⊙	Can s 3	nsLTP	≤ 0.10
Lamb's quarter	⊙	Che a		≤ 0.10
	⊙	Che a 1	Ole e 1-Family	≤ 0.10
Annual mercury	⊙	Mer a 1	Profilin	≤ 0.10

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Wall pellitory	<input type="checkbox"/>	Par j		≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Par j 2	nsLTP	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ribwort	<input type="checkbox"/>	Pla l		≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Pla l 1	Ole e l-Family	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Russian thistle	<input type="checkbox"/>	Sal k		≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Sal k 1	Pectin Methyl esterase	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nettle	<input type="checkbox"/>	Urt d		≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## MITES

### House Dust Mite

House dust mite (Dermatophagoides farinae)	<input checked="" type="checkbox"/>	Der f 1	Cysteine protease	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der f 2	NPC2 Family	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
House dust mite (Dermatophagoides pteronyssinus)	<input checked="" type="checkbox"/>	Der p 1	Cysteine protease	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der p 2	NPC2 Family	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der p 5	unknown	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der p 7	Mites, Group 7	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der p 10	Tropomyosin	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der p 11	Myosin, heavy chain	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der p 20	Arginine kinase	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Der p 21	unknown	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Der p 23	Peritrophin-like protein domain	≤ 0.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### Storage Mite

Acarus siro	<input type="checkbox"/>	Aca s		≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blomia tropicalis	<input checked="" type="checkbox"/>	Blo t 5	Mites, Group 5	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Blo t 10	Tropomyosin	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Blo t 21	unknown	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Glycyphagus domesticus	<input checked="" type="checkbox"/>	Gly d 2	NPC2 Family	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lepidoglyphus destructor	<input checked="" type="checkbox"/>	Lep d 2	NPC2 Family	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tyrophagus putrescentiae	<input type="checkbox"/>	Tyr p		≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Tyr p 2	NPC2 Family	≤ 0.10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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## MICROORGANISMS & SPORES

### Yeast

Name	E/M	Allergen	Protein Family	kU <sub>A</sub> /L
Malassezia sympodialis	●	Mala s 5	unknown	≤ 0.10
	●	Mala s 6	Cyclophilin	≤ 0.10
	●	Mala s 11	Mn Superoxid-Dismutase	≤ 0.10
Yeast	●●●	Sac c		≤ 0.10

### Moulds

Alternaria alternata	●	Alt a 1	Alt a 1-Family	≤ 0.10
	●	Alt a 6	Enolase	≤ 0.10
Aspergillus fumigatus	●	Asp f 1	Mitogillin Family	≤ 0.10
	●	Asp f 3	Peroxisomal Protein	≤ 0.10
	●	Asp f 4	unknown	≤ 0.10
	●	Asp f 6	Mn Superoxid-Dismutase	≤ 0.10
Cladosporium herbarum	●●●	Cla h		≤ 0.10
	●	Cla h 8	Short Chain Dehydrogenase	≤ 0.10
Penicillium chrysogenum	●●●	Pen ch		≤ 0.10

## 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.

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 RESULT

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