

Allergy Panel Dashboard



VDI Lab Services
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PATIENT NAME: Rogan Welchans
SPECIMEN ID: 481833
SPECIES: Canine
GENDER: Not Provided
AGE: 2.0
WEIGHT: 45 lb
BREED: Irish Setter

MRN: 1102327
DRAW DATE: 2-Mar-23
RECEIVED DATE: 9-Mar-23
REPORT DATE: 10-Mar-23
SAMPLE TYPE: Dried Serum - 2

VETERINARIAN:
FACILITY:
PH:
FAX:

Food Allergens

Allergen	Class	Group	Allergen	Class	Group
Turkey meat	2	Meat			
Sweet Potato	2	Veg			
Peanut	2	Nut			
Pork	1	Meat			
Duck meat	1	Meat			
Corn	1	Grain			
Rice	1	Grain			
Pea	1	Veg			
Soy bean	1	Veg			
Carrot	1	Veg			
Potato	1	Veg			
Pumpkin	1	Veg			
Mackerel	1	Fish			
Orange	1	Fruit			

Environmental Allergens

Allergen	Class	Group	Allergen	Class	Group
Flour mite	2	Mite			
Cheese/mold mite	2	Mite			
Alder/Birch	2	Tree			
American dust mite	1	Mite			
European dust mite	1	Mite			
Maple leaf sycamore	1	Tree			
Oak	1	Tree			
Acacia	1	Tree			
White Ash	1	Tree			
Common ragweed	1	Weed			
Plantain	1	Weed			
Mugwort	1	Weed			
Cladosporium herbarum	1	Mold			
Flea	1	Insect			

Total Class 1

22

Total Class 2

6

Total Class 3

0

Responsive Groups

Mite	Tree
Weed	

Inflammation

Not Tested

Normal: ≤ 4.0

Vitamin D

Suggested

Sufficiency:
100-150 ng/mL

Clinical Signs Associated with Canine AD

5+ is consistent with canine AD

The following criteria were indicated:

- Affected ear pinnae
- Affected front feet
- Age of onset <3 years
- Chronic/recurring yeast infections
- Corticosteroid-responsive pruritis
- Mostly indoor lifestyle
- Nonaffected dorsolumbar area
- Pruritis without skin lesions at onset

4 Total - highly suggestive

Canine atopic dermatitis (CAD) is typically associated with hypersensitivity to environmental allergens, although food allergies may coexist. Prior to a diagnosis of CAD, fleas and other ectoparasites should be ruled-out. Clinical criteria have been developed to help distinguish CAD. Allergen tests are not diagnostic in isolation. Rather, they support a clinical diagnosis of CAD and are used to indicate which allergens may be triggering the disease.

The most common CAD associated environmental allergens are pollens (grass, weed and/or tree), dust, mites, and mold, and common food allergens are beef, chicken, dairy, and wheat.

IgE has a relatively short half-life therefore class 1 allergens may represent weak allergic responses unrelated to CAD or prior allergy that the patient is not currently exposed to (ie, seasonal allergies) - care should be given to class 1 allergens accordingly. Class 2 and 3 allergens are moderate/strong reaction and worthy of immediate investigation.

Vitamin D plays an important role in the immune regulatory process and patients low in Vitamin D should be supplemented. If Vitamin D is deficient, a change in food may be warranted. Food changes require a 60-day equilibrium and retesting prior to D3 supplementation. Vitamin D has been shown to have a steroid sparing effect.

Reviewer Comments - need consult? email consult@vdiilab.com



Allergy Page 1 - Food

PATIENT NAME: Rogan Welchans

MRN: 1102327

VETERINARIAN:

SPECIMEN ID #: 481833

COLLECTION DATE: 2-Mar-23

SPECIES / SEX: Canine /

RECEIVED DATE: 9-Mar-23

BREED: Irish Setter

REPORT DATE: 10-Mar-23

AGE: 2.0

SAMPLE TYPE: Serum

WEIGHT: 45 lb

Class	Response	IU/mL	Responses	TOTAL ALLERGEN RESPONSES
0	None	≤ 0.34	Class 1: 22	28
1	Low	0.35 - 3.49	Class 2: 6	
2	Medium	3.5 - 49.99	Class 3: 0	
3	High	≥ 50		

NT = Not Tested

See page 2 for more info

FOOD ALLERGENS

Meat		Responses: 3			
No	Name	Panel	IU/mL	Class	
1	Pork	Allergy I	1.42	1	
2	Beef	Allergy I	<0.15	0	
3	Duck	Allergy I	1.54	1	
4	Chicken	Allergy I	<0.15	0	
5	Lamb	Allergy I	<0.15	0	
6	Turkey	Allergy I	6.88	2	
7	Red deer	Allergy I	<0.15	0	
8	Rabbit	Allergy II	<0.15	0	

Dairy*		Responses: 0			
No	Name	Panel	IU/mL	Class	
38	Milk	Allergy I	<0.15	0	
39	Cheddar/gouda cheese	Allergy I	<0.15	0	
40	α-lactalbumin	Allergy II	<0.15	0	
41	β-lactoglobulin	Allergy II	<0.15	0	
42	Casein	Allergy II	<0.15	0	
43	Buttermilk	Allergy II	<0.15	0	

Egg		Responses: 0			
No	Name	Panel	IU/mL	Class	
44	Egg white	Allergy I	<0.15	0	
45	Egg yolk	Allergy I	<0.15	0	

Yeast		Responses: 0			
No	Name	Panel	IU/mL	Class	
46	Yeast, baker's	Allergy I	<0.15	0	
47	Yeast, brewer's	Allergy II	<0.15	0	

Vegetable, Fruit, Nut		Responses: 8			
No	Name	Panel	IU/mL	Class	
9	Pea	Allergy I	0.7	1	
10	Soy bean	Allergy I	0.48	1	
11	Carrot	Allergy I	1.26	1	
12	Potato	Allergy I	1.66	1	
13	Sweet Potato	Allergy I	5.25	2	
14	Pumpkin	Allergy I	0.8	1	
29	Parsely	Allergy II	<0.15	0	
30	Cabbage	Allergy II	<0.15	0	
31	Cucumber	Allergy II	<0.15	0	
32	Broccoli	Allergy II	<0.15	0	
33	Cauliflower	Allergy II	<0.15	0	
34	Radish	Allergy II	<0.15	0	
35	Paprika	Allergy II	<0.15	0	
36	Spinach	Allergy II	<0.15	0	
15	Tomato	Allergy I	<0.15	0	
16	Apple	Allergy I	<0.15	0	
17	Orange	Allergy II	0.38	1	
18	Strawberry	Allergy II	<0.15	0	
19	Blueberry	Allergy II	<0.15	0	
20	Kiwi	Allergy II	<0.15	0	
21	Melon	Allergy II	<0.15	0	
22	Mango	Allergy II	<0.15	0	
23	Banana	Allergy II	<0.15	0	
24	Peach	Allergy II	<0.15	0	
25	Pear	Allergy II	<0.15	0	
26	Pineapple	Allergy II	<0.15	0	
27	Plum	Allergy II	<0.15	0	
28	Watermelon	Allergy II	<0.15	0	
37	Peanut	Allergy I	5.7	2	

Grain*		Responses: 2			
No	Name	Panel	IU/mL	Class	
48	Wheat	Allergy I	<0.15	0	
49	Corn	Allergy I	2.66	1	
50	Rice	Allergy I	0.7	1	
51	Gluten	Allergy II	<0.15	0	
52	Barley	Allergy II	<0.15	0	
53	Oat	Allergy II	<0.15	0	
54	Buckwheat	Allergy II	<0.15	0	
55	Millet	Allergy II	<0.15	0	
56	Lentil	Allergy II	<0.15	0	
57	Sweet chestnut	Allergy II	<0.15	0	
58	Linseed (Flax seed)	Allergy II	<0.15	0	

Shellfish* & Fish*		Responses: 1			
No	Name	Panel	IU/mL	Class	
59	Crab / Shrimp	Allergy I	<0.15	0	
64	Blue mussel / Clam	Allergy II	<0.15	0	
60	Codfish	Allergy I	<0.15	0	
61	Tuna	Allergy I	<0.15	0	
62	Salmon	Allergy I	<0.15	0	
63	Mackerel	Allergy I	0.88	1	
65	Trout	Allergy II	<0.15	0	
66	Herring	Allergy II	<0.15	0	
67	Sardine	Allergy II	<0.15	0	
68	Anchovy	Allergy II	<0.15	0	
69	Sea bass	Allergy II	<0.15	0	

*Only groups marked with an asterisk are included in the responsive group classification on the first page.



Allergy Page 2 - Environmental

PATIENT NAME: Rogan Welchans

MRN: 1102327

VETERINARIAN:

Class	Response	IU/mL	Responses	TOTAL ALLERGEN RESPONSES
0	None	≤ 0.34	Class 1: 22	28
1	Low	0.35 - 3.49	Class 2: 6	
2	Medium	3.5 - 49.99	Class 3: 0	
3	High	≥ 50		

NT = Not Tested

ENVIRONMENTAL ALLERGENS

Animal			Responses: 0	
No	Name	Panel	IU/mL	Class
70	Cat Epithelium/Dander	Allergy I	<0.15	0
71	Wool, Sheep	Allergy I	<0.15	0
72	Feather Mix	Allergy I	<0.15	0
73	Cattle Epithelium	Allergy II	<0.15	0

Grass*			Responses: 0	
No	Name	Panel	IU/mL	Class
95	Bermuda Grass	Allergy I	<0.15	0
96	Orchard/Timothy Grass	Allergy I	<0.15	0
97	Ryegrass	Allergy I	<0.15	0
98	Cultivated rye	Allergy I	<0.15	0
99	Sweet vernal grass	Allergy II	<0.15	0
100	Common reed grass	Allergy II	<0.15	0
101	Bent grass	Allergy II	<0.15	0

Insect* & Mite*			Responses: 5	
No	Name	Panel	IU/mL	Class
74	Flea	Allergy I	1.5	1
75	Cockroach	Allergy I	<0.15	0
76	Bee venom	Allergy II	<0.15	0
77	Fire ant	Allergy II	<0.15	0
78	Mosquito	Allergy II	<0.15	0
79	Silkworm pupa	Allergy II	<0.15	0
80	American dust mite ¹	Allergy I	2.62	1
81	European dust mite ²	Allergy I	2.52	1
82	Flour mite ³	Allergy I	4.78	2
83	Cheese/mold mite ⁴	Allergy I	4.46	2
84	Storage mite ⁵	Allergy II	<0.15	0
85	Tropical dust mite ⁶	Allergy II	<0.15	0

Tree*			Responses: 5	
No	Name	Panel	IU/mL	Class
102	Alder/Birch	Allergy I	4.06	2
103	Hazel	Allergy I	<0.15	0
104	Maple leaf sycamore	Allergy I	1.08	1
105	Willow/Cottonwood	Allergy I	<0.15	0
106	Oak	Allergy I	1.64	1
107	White Pine	Allergy I	<0.15	0
108	Acacia	Allergy I	2.96	1
109	White Ash	Allergy I	2.78	1
110	Japanese cedar	Allergy II	<0.15	0

Mold*			Responses: 1	
No	Name	Panel	IU/mL	Class
86	Penicillium notatum	Allergy I	<0.15	0
87	C. herbarum	Allergy I	0.4	1
88	Aspergillus fumigatus	Allergy I	<0.15	0
89	Candida albicans	Allergy I	<0.15	0
90	Alternaria alternata	Allergy I	<0.15	0
91	M. pachydermatis	Allergy I	<0.15	0

Weed*			Responses: 3	
No	Name	Panel	IU/mL	Class
111	Common ragweed	Allergy I	1.56	1
112	Plantain	Allergy I	1.26	1
113	Mugwort	Allergy I	2.74	1
114	Sheep's sorrel	Allergy I	<0.15	0
115	Japanese hop	Allergy II	<0.15	0
116	Ox-eye daisy	Allergy II	<0.15	0
117	Dandelion	Allergy II	<0.15	0
118	Russian thistle	Allergy II	<0.15	0
119	Goldenrod	Allergy II	<0.15	0
120	Common pigweed	Allergy II	<0.15	0

Other			Responses: 0	
No	Name	Panel	IU/mL	Class
92	House dust	Allergy II	<0.15	0
93	CCD	Allergy II	<0.15	0
94	Hevea latex	Allergy II	<0.15	0

Additional Information

- 1 *Dermatophagoides pteronyssinus*
- 2 *Dermatophagoides farinae*
- 3 *Acarus siro*

- 4 *Tyrophagus putrescentiae*
- 5 *Glycyphagus domesticus*
- 6 *Blomia tropicalis*

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