

Allergy Panel Dashboard



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PATIENT NAME: Bastion Helton
SPECIMEN ID: 480415
SPECIES: Canine
GENDER: Male
AGE: 6.0
WEIGHT: 175 lb
BREED: Great Dane

MRN: 1102170
DRAW DATE: 27-Feb-23
RECEIVED DATE: 6-Mar-23
REPORT DATE: 7-Mar-23
SAMPLE TYPE: Dried Serum - 2

VETERINARIAN:
FACILITY:
PH:
FAX:

Food Allergens

Allergen	Class	Group	Allergen	Class	Group
Lamb meat	3	Meat			
Milk	3	Dairy			
Pork	2	Meat			
Beef	2	Meat			
Red deer	2	Meat			
α-lactalbumin	2	Dairy			
Duck meat	1	Meat			
Pumpkin	1	Veg			
Cheddar Cheese	1	Dairy			
Peanut	1	Nut			
β-lactoglobulin	1	Dairy			
Casein	1	Dairy			
Buttermilk	1	Dairy			
Barley	1	Grain			
Oat	1	Grain			

Environmental Allergens

Allergen	Class	Group	Allergen	Class	Group
Cattle epithelium	2	Animal			
American dust mite	1	Mite			
European dust mite	1	Mite			
Cheese/mold mite	1	Mite			
Alder/Birch	1	Tree			
Flea	1	Insect			

Total Class 1

14

Total Class 2

5

Total Class 3

2

Responsive Groups

Dairy	Mite
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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

Criteria Not Provided

- 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

Mark criteria above. 5+ is significant

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: Bastion Helton
SPECIMEN ID #: 480415
SPECIES / SEX: Canine / M
BREED: Great Dane
AGE: 6.0
WEIGHT: 175 lb

MRN: 1102170
COLLECTION DATE: 27-Feb-23
RECEIVED DATE: 6-Mar-23
REPORT DATE: 7-Mar-23
SAMPLE TYPE: Serum

VETERINARIAN:

Class	Response	IU/mL	Responses	TOTAL ALLERGEN RESPONSES
0	None	≤ 0.34	Class 1: 14	21
1	Low	0.35 - 3.49	Class 2: 5	
2	Medium	3.5 - 49.99	Class 3: 2	
3	High	≥ 50		

NT = Not Tested

See page 2 for more info

FOOD ALLERGENS

Meat		Responses: 5			
No	Name	Panel	IU/mL	Class	
1	Pork	Allergy I	4.1	2	■
2	Beef	Allergy I	11.52	2	■
3	Duck	Allergy I	0.94	1	■
4	Chicken	Allergy I	<0.15	0	
5	Lamb	Allergy I	>100	3	■■■■
6	Turkey	Allergy I	<0.15	0	
7	Red deer	Allergy I	5.06	2	■
8	Rabbit	Allergy II	<0.15	0	

Dairy*		Responses: 6			
No	Name	Panel	IU/mL	Class	
38	Milk	Allergy I	>100	3	■■■■■
39	Cheddar/gouda cheese	Allergy I	0.55	1	■
40	α-lactalbumin	Allergy II	5.06	2	■■■■
41	β-lactoglobulin	Allergy II	1.78	1	■
42	Casein	Allergy II	1	1	■
43	Buttermilk	Allergy II	1.38	1	■

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	

Vegetable, Fruit, Nut		Responses: 2			
No	Name	Panel	IU/mL	Class	
9	Pea	Allergy I	<0.15	0	
10	Soy bean	Allergy I	<0.15	0	
11	Carrot	Allergy I	<0.15	0	
12	Potato	Allergy I	<0.15	0	
13	Sweet Potato	Allergy I	<0.15	0	
14	Pumpkin	Allergy I	0.5	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	<0.15	0	
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	1.46	1	■

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	

Grain*		Responses: 2			
No	Name	Panel	IU/mL	Class	
48	Wheat	Allergy I	<0.15	0	
49	Corn	Allergy I	<0.15	0	
50	Rice	Allergy I	<0.15	0	
51	Gluten	Allergy II	<0.15	0	
52	Barley	Allergy II	0.48	1	■
53	Oat	Allergy II	0.48	1	■
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: 0			
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	<0.15	0	
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: Bastion Helton

MRN: 1102170

VETERINARIAN:

Class	Response	IU/mL	Responses	TOTAL ALLERGEN RESPONSES
0	None	≤ 0.34	Class 1: 14	21
1	Low	0.35 - 3.49	Class 2: 5	
2	Medium	3.5 - 49.99	Class 3: 2	
3	High	≥ 50		

NT = Not Tested

ENVIRONMENTAL ALLERGENS

Animal		Responses: 1		
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	4.02	2

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: 4		
No	Name	Panel	IU/mL	Class
74	Flea	Allergy I	2.18	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	0.7	1
81	European dust mite ²	Allergy I	1.32	1
82	Flour mite ³	Allergy I	<0.15	0
83	Cheese/mold mite ⁴	Allergy I	1.5	1
84	Storage mite ⁵	Allergy II	<0.15	0
85	Tropical dust mite ⁶	Allergy II	<0.15	0

Tree*		Responses: 1		
No	Name	Panel	IU/mL	Class
102	Alder/Birch	Allergy I	0.7	1
103	Hazel	Allergy I	<0.15	0
104	Maple leaf sycamore	Allergy I	<0.15	0
105	Willow/Cottonwood	Allergy I	<0.15	0
106	Oak	Allergy I	<0.15	0
107	White Pine	Allergy I	<0.15	0
108	Acacia	Allergy I	<0.15	0
109	White Ash	Allergy I	<0.15	0
110	Japanese cedar	Allergy II	<0.15	0

Mold*		Responses: 0		
No	Name	Panel	IU/mL	Class
86	Penicillium notatum	Allergy I	<0.15	0
87	C. herbarum	Allergy I	<0.15	0
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: 0		
No	Name	Panel	IU/mL	Class
111	Common ragweed	Allergy I	<0.15	0
112	Plantain	Allergy I	<0.15	0
113	Mugwort	Allergy I	<0.15	0
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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