

Allergy Panel Dashboard



VDI Lab Services
 4685 Runway St. Ste K Simi Valley, CA 93063
 ph: 805-577-6742 fax: 805-426-8115

PATIENT NAME: Starr Davin
SPECIMEN ID: 481727
SPECIES: Canine
GENDER: Female Spayed
AGE: 4.0
WEIGHT: 45.6 lb
BREED: Bulldog

MRN: 1102168
DRAW DATE: 28-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
Pork	1	Meat			
Beef	1	Meat			
Duck meat	1	Meat			
Lamb meat	1	Meat			
Turkey meat	1	Meat			
Corn	1	Grain			
Potato	1	Veg			
Tomato	1	Fruit			
Rabbit	1	Meat			
Blue mussel/ Clam	1	Shellfish			
Barley	1	Grain			
Oat	1	Grain			
Spinach	1	Veg			

Environmental Allergens

Allergen	Class	Group	Allergen	Class	Group
Bermuda Grass	2	Grass			
Orchard/Timothy Grass	2	Grass			
Ryegrass	2	Grass			
Cultivated rye	2	Grass			
Bee venom	2	Insect			
European dust mite	1	Mite			
Flour mite	1	Mite			
Cheese/mold mite	1	Mite			
Alder/Birch	1	Tree			
Hazel	1	Tree			
Maple leaf sycamore	1	Tree			
Plantain	1	Weed			
Mugwort	1	Weed			
Sheep's sorrel	1	Weed			
Cat Epithelium	1	Animal			
Feather Mix	1	Animal			
Cladosporium herbarum	1	Mold			
House dust	1	Other			

Total Class 1

26

Total Class 2

5

Total Class 3

0

Responsive Groups

Grain	Mite
Grass	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

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: Starr Davin
SPECIMEN ID #: 481727
SPECIES / SEX: Canine / FS
BREED: Bulldog
AGE: 4.0
WEIGHT: 45.6 lb

MRN: 1102168
COLLECTION DATE: 28-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: 26	31
1	Low	0.35 - 3.49	Class 2: 5	
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: 6			
No	Name	Panel	IU/mL	Class	
1	Pork	Allergy I	1.98	1	
2	Beef	Allergy I	0.38	1	
3	Duck	Allergy I	3.44	1	
4	Chicken	Allergy I	<0.15	0	
5	Lamb	Allergy I	0.96	1	
6	Turkey	Allergy I	2.78	1	
7	Red deer	Allergy I	<0.15	0	
8	Rabbit	Allergy II	0.45	1	

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: 3			
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	1.66	1	
13	Sweet Potato	Allergy I	<0.15	0	
14	Pumpkin	Allergy I	<0.15	0	
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	1.26	1	
15	Tomato	Allergy I	3.48	1	
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	<0.15	0	

Grain*		Responses: 3			
No	Name	Panel	IU/mL	Class	
48	Wheat	Allergy I	<0.15	0	
49	Corn	Allergy I	1.18	1	
50	Rice	Allergy I	<0.15	0	
51	Gluten	Allergy II	<0.15	0	
52	Barley	Allergy II	0.7	1	
53	Oat	Allergy II	3.2	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: 1			
No	Name	Panel	IU/mL	Class	
59	Crab / Shrimp	Allergy I	<0.15	0	
64	Blue mussel / Clam	Allergy II	0.48	1	
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: Starr Davin

MRN: 1102168

VETERINARIAN:

Class	Response	IU/mL	Responses	TOTAL ALLERGEN RESPONSES
0	None	≤ 0.34	Class 1: 26	31
1	Low	0.35 - 3.49	Class 2: 5	
2	Medium	3.5 - 49.99	Class 3: 0	
3	High	≥ 50		

NT = Not Tested

ENVIRONMENTAL ALLERGENS

Animal		Responses: 2			
No	Name	Panel	IU/mL	Class	
70	Cat Epithelium/Dander	Allergy I	0.76	1	
71	Wool, Sheep	Allergy I	<0.15	0	
72	Feather Mix	Allergy I	3.48	1	
73	Cattle Epithelium	Allergy II	<0.15	0	

Grass*		Responses: 4			
No	Name	Panel	IU/mL	Class	
95	Bermuda Grass	Allergy I	6.94	2	
96	Orchard/Timothy Grass	Allergy I	6.90	2	
97	Ryegrass	Allergy I	10.53	2	
98	Cultivated rye	Allergy I	5.36	2	
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	<0.15	0	
75	Cockroach	Allergy I	<0.15	0	
76	Bee venom	Allergy II	5.14	2	
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	<0.15	0	
81	European dust mite ²	Allergy I	0.5	1	
82	Flour mite ³	Allergy I	0.43	1	
83	Cheese/mold mite ⁴	Allergy I	1.2	1	
84	Storage mite ⁵	Allergy II	<0.15	0	
85	Tropical dust mite ⁶	Allergy II	<0.15	0	

Tree*		Responses: 3			
No	Name	Panel	IU/mL	Class	
102	Alder/Birch	Allergy I	1.26	1	
103	Hazel	Allergy I	0.48	1	
104	Maple leaf sycamore	Allergy I	0.7	1	
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: 1			
No	Name	Panel	IU/mL	Class	
86	Penicillium notatum	Allergy I	<0.15	0	
87	C. herbarum	Allergy I	0.6	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	<0.15	0	
112	Plantain	Allergy I	1.26	1	
113	Mugwort	Allergy I	1.2	1	
114	Sheep's sorrel	Allergy I	0.7	1	
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: 1			
No	Name	Panel	IU/mL	Class	
92	House dust	Allergy II	0.5	1	
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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