



ENRICHING PET LIFE THROUGH DIAGNOSTIC TESTING
world-wide personal mail-in diagnostic lab for vets and pets



HEMOLIFE (Diagnostic Division of HEMOPET)

11561 Salinaz Avenue, Garden Grove, CA 92843

Tel: 714-891-2022; Fax: 714-891-2123

www.hemopet.org www.nutriscan.org E-Mail: info@hemopet.org

Status: FINAL REPORT

Notes: Has EPI. I have been having issues with SID outbreak on Whiskey. I was wondering if he is allergic to anything that might be causing SID. I want to kn...

Diet: Canidae Salmon, Sweet Potato

Medication: Tylan Antibiotic + Vitamin B12 + Epi Enzymes, 0.25 Tab, 2 Tabs, BID, SID

Accession No. HML162751	Doctor ELLEN HILTON	Owner MANGLE, ELIZABETH	Pet Name WHISKEY	Received 11/22/21
Species Canine	Breed German Shepherd	Sex MN	Pet Age 7 Yrs 11 Months 73 lbs	Reported 12/02/21

Test Requested	Result	Case Specific	General Range	Units
Beef Salivary IgA	> 15	Strong reaction; Avoid	< 10	U/mL
Beef Salivary IgM	10.450	Weak Reaction	< 10	U/mL
Chicken Salivary IgA	14.628	Medium Reaction; Avoid	< 10	U/mL
Chicken Salivary IgM	11.559	Borderline Reaction; Avoid	< 10	U/mL
Corn Salivary IgA	14.757	Medium Reaction; Avoid	< 10	U/mL
Corn Salivary IgM	12.016	Intermediate reaction, Avoid	< 10	U/mL
Duck Salivary IgA	13.750	Medium Reaction; Avoid	< 10	U/mL
Duck Salivary IgM	11.521	Borderline Reaction; Avoid	< 10	U/mL
Lamb Salivary IgA	11.054	Weak Reaction	< 10	U/mL
Lamb Salivary IgM	10.293	Weak Reaction	< 10	U/mL
Milk Salivary IgA	13.318	Medium Reaction; Avoid	< 10	U/mL
Milk Salivary IgM	11.334	Weak Reaction	< 10	U/mL
Pork Salivary IgA	14.375	Medium Reaction; Avoid	< 10	U/mL
Pork Salivary IgM	11.150	Weak Reaction	< 10	U/mL
Soy Salivary IgA	11.909	Borderline Reaction; Avoid	< 10	U/mL
Soy Salivary IgM	10.427	Weak Reaction	< 10	U/mL
Turkey Salivary IgA	14.192	Medium Reaction; Avoid	< 10	U/mL
Turkey Salivary IgM	12.134	Intermediate reaction, Avoid	< 10	U/mL
Venison Salivary IgA	14.612	Medium Reaction; Avoid	< 10	U/mL
Venison Salivary IgM	11.816	Borderline Reaction; Avoid	< 10	U/mL
Wheat Salivary IgA	13.636	Medium Reaction; Avoid	< 10	U/mL



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NutriScan

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Wheat Salivary IgM	11.126	Weak Reaction	< 10	U/mL
White Fish Salivary IgA	12.620	Intermediate reaction, Avoid	< 10	U/mL
White Fish Salivary IgM	11.860	Borderline Reaction; Avoid	< 10	U/mL
Barley Salivary IgA	13.550	Medium Reaction; Avoid	< 10	U/mL
Barley Salivary IgM	12.000	Intermediate reaction, Avoid	< 10	U/mL
Egg Salivary IgA	12.320	Intermediate reaction, Avoid	< 10	U/mL
Egg Salivary IgM	10.500	Weak Reaction	< 10	U/mL
Lentil Salivary IgA	11.886	Borderline Reaction; Avoid	< 10	U/mL
Lentil Salivary IgM	13.148	Medium Reaction; Avoid	< 10	U/mL
Millet Salivary IgA	12.650	Intermediate reaction, Avoid	< 10	U/mL
Millet Salivary IgM	12.175	Intermediate reaction, Avoid	< 10	U/mL
Oatmeal Salivary IgA	12.250	Intermediate reaction, Avoid	< 10	U/mL
Oatmeal Salivary IgM	12.000	Intermediate reaction, Avoid	< 10	U/mL
Peanut Salivary IgA	12.091	Intermediate reaction, Avoid	< 10	U/mL
Peanut Salivary IgM	10.961	Weak Reaction	< 10	U/mL
Potato Salivary IgA	13.382	Medium Reaction; Avoid	< 10	U/mL
Potato Salivary IgM	11.911	Borderline Reaction; Avoid	< 10	U/mL
Quinoa Salivary IgA	13.961	Medium Reaction; Avoid	< 10	U/mL
Quinoa Salivary IgM	13.655	Medium Reaction; Avoid	< 10	U/mL
Rabbit Salivary IgA	> 15	Strong reaction; Avoid	< 10	U/mL
Rabbit Salivary IgM	13.010	Medium Reaction; Avoid	< 10	U/mL
Rice Salivary IgA	12.700	Intermediate reaction, Avoid	< 10	U/mL
Rice Salivary IgM	12.000	Intermediate reaction, Avoid	< 10	U/mL
Salmon Salivary IgA	12.000	Intermediate reaction, Avoid	< 10	U/mL
Salmon Salivary IgM	12.125	Intermediate reaction, Avoid	< 10	U/mL



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Test Requested	Result	Case Specific	General Range	Units
Sweet Potato Salivary IgA	11.675	Borderline Reaction; Avoid	< 10	U/mL
Sweet Potato Salivary IgM	11.516	Borderline Reaction; Avoid	< 10	U/mL
CellBIO	↑ 3.28		0.5 - 1.75	ng/mL
Nutriscan and CellBIO Combo	Completed			



Dear Ellen and Elizabeth: Nutriscan Panels #1 and 2 are completed and showed food reactions to: 23 of the 24 Foods Tested, some strong reactions. Only Lamb (and Goat, and their Dairy products) are non-reactive.

If you feel your pet may have eaten something prior to sample collection we can retest as a professional courtesy with "NO CHARGE per Dr. Dodds" written on the resubmission. In the meantime, please avoid all these reactive foods. Best wishes, Jean [W. Jean Dodds]

Dear Elizabeth: Whiskey's isoprostane level (e.g. CellBIO test) was highly positive. Sorry !
Please see the list below of supplements that can help reduce this level, and retest again after about 6 months to see if the isoprostane level is waning. Best regards, Jean [W. Jean Dodds]

Nutriscan is pending.

Suggested Doses for 70-75 pounds (use as much of listed amounts and as often as feasible, you can stagger them over 7 days/ weekly)

- Â• Alpha-Lipoic acid dose ranges are suggested anywhere from 40-60 mg twice daily
- Â• Co-Enzyme Q-10 20 mg twice daily see VetriScience Co-Q10, 10 mg caps from Only Natural Pet
- Â• Ginger Grate fresh ginger root into food twice daily (1/4 teaspoon)
- Â• Green Tea 1/2 cup added to food twice daily (make tea. Let it cool to room temp)
- Â• Licorice Root Can use as a tea or commercial source 1 ounce twice daily



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Â· Milk Thistle, and a few more like garlic and honey. Rx HepatoSupport by Rx Vitamins for Pets, on line; 1/2 clove of grated fresh garlic twice daily; Manuka honey â€” 1 tablespoon in food or by mouth twice daily

Â· Resveratrol (as a natural supplement or as food like blueberries and cranberries) Add 2 ounces fresh or frozen, thawed blueberries or cranberries to each meal

Â· Soybeans Canned, organic low sodium preferredâ€”add 2 tablespoon twice daily

Â· Tomatoes Sliced fresh tomatoes, canned or tomato pumice â€” add 2 ounces to each meal

Â· Turmeric (curcumin) â€” *without* black pepper for pets Use grated fresh turmeric root (same as for ginger) or a product like CurCuWIN by Rx Vitamins for Pets, on line. It stains everything orange !

Â· Vitamin E 200 IU daily (not more)

CellBIO is a novel isoprostane test, and is the first of a set of Hemopet's unique biomarker tests for pets that are measured in dog saliva.

Oxidative stress is the repair process that cells normally undergo after they metabolize oxygen and form free radicals (called reactive oxygen species or ROS). However, when ROS production is excessive, cells undergo damage and release biomarker lipids and enzymes that lead to tissue inflammation, infections, obesity, passive cigarette smoke exposure, and even cancers.

Biomarkers of clinical interest in people and pets include isoprostane, NrF2, micro RNA, and others.

For more information, see [cellbio](#).

Foods testing below 11.5 units/mL should be safe to feed as results were negative or weak (weak reactions reflect background assay "noise").

[Click here for a guide to read the Nutriscan results and additional foods derived from the 24 foods tested.](#)

A **NutriGold** consultation is available, if you have questions or wish advice and suggestions about these results.

Note: Beef reactivity includes Buffalo and Bison; Chicken includes Chicken fat; Corn reactivity includes Cornstarch in supplements and treats; Cow Milk includes Cheese and Whey; Lamb reactivity includes Goat and Sheep and Goat dairy products; Pork includes bacon; Venison and Deer/Elk chews and treats; Wheat (a gluten), White-Colored Fish reactivity includes sardines, herring and tuna (and their oils); Barley (a gluten); Lentils includes Peas and Pea Protein; Millet (a goitrogen); Peanut and Peanut Oil; Salmon (and their Oils); and Sweet Potatoes/Yams.



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Nutriscan Interpretation (For more information see [Nutriscan](#))

Pet should not consume food or treats containing ingredient(s) showing results of **11.5 or greater, that state "Avoid" above, for either IgA and/or IgM antibodies**. Please remember that changing your pet's diet can cause bowel upsets, so gradually changing foods over 7-14 days is preferred. Recommend rechecking salivary food sensitivity or intolerance levels every 6 -12 months.

Degree of reactivity

- **<10 U/mL** indicates a normal food antigen tolerance level = **negative result**.
- **10-11.4 U/mL** indicates a weak reaction; **clinical significance unclear**
- **11.5-11.9 U/mL** indicates a **borderline reaction**
- **12-12.9 U/mL** indicates an **intermediate reaction**
- **13-14.9 U/mL** indicates a **medium reaction**
- **>= 15 U/mL** indicates a **strong reaction**

Differences between antibodies to IgA and IgM in Saliva

Antibodies to IgA measure the immune response to certain foods in secretions like saliva that have occurred over the last 2 years.

Antibodies to IgM measure the body's primary immune response to a recent exposure of certain foods within the last 6 months.

Recipes When Some Meats or Fish are Non-Reactive

Suggestions for the diet would be to include only non-reactive meat or fish; vegetables and fruit, with the possible addition of tapioca (cassava root = gluten-free starch). Suggest trying: Chick peas (garbanzo beans), pinto or kidney beans, carrots, zucchini, spinach, green beans, **but no peas or pea fiber (if Lentils are reactive)**, and blueberries, cranberries, pomegranates, (**avoid strawberries**); apples, pears, bananas, and melons (including watermelon). Then, if doing better, try adding tapioca. The dog may also tolerate quail, pheasant, kangaroo, or emu.

If Beef is non-reactive, Buffalo and Bison should be acceptable.

If Lamb is non-reactive, Goat should be OK (including Goat Milk & Yogurt).

Oils – When White-colored Fish and/or Salmon are Reactive



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Sources of the important Omega-3 oils are: No menhaden, pollack, sardine or herring oil, if white-colored fish is reactive. No salmon oil, if salmon is reactive.

Krill oil = ancient crustacean (but not with a shellfish allergy).

Plant oils = olive oil, borage oil, sunflower oil, coconut oil (in moderation), primrose oil, moringa oil, but **not** canola oil.

Now that you have your Nutriscan results, consider doing CellBIO, our novel biomarker test to ascertain the risk for obesity, inflammation, infection, passive cigarette smoke exposure, and even cancer.

For more information see [CellBIO](#).

W. Jean Dossels

HEMOLIFE assays and reports use patented non-RIA technology and interpretations. Thyroid 5™ is a trademark.