



BIONUTRITIONAL DIAGNOSTICS, INC.

Ricciardi, Beatha

BioNutritional Analysis Prepared For LADY SOUCY

Report Number: BND147913
 Report Date: 25-SEP-00
 Client Name: SOUCY
 Doctor: LOESER
 Hospital Name: Hillboro Beach Animal Hospital
 Patient Species: Canine
 Patient Breed: Not Provided
 Patient Age: 7
 Patient Sex: Female
 Patient Weight: 134 lbs
 Current Medications: None Provided
 Vaccinations: Rabies
 History: Heart/Lung Disease-Heart, Heart-Valvular Disease, Musculo-Skeletal-OCJ, Musculo-Skeletal-Spinal Arthritis/Spondylitis
 Diagnosis:

BNA is intended to evaluate the metabolic and nutritional requirements of animals for optimum health and well-being. It is not intended to diagnose specific disease nor to recommend medical therapy.

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BNA Summary Results for LADY SOUCY

The blood results for LADY SOUCY have been compared to the Normal and Optimum Ranges. The following categories for results are (1) Outside the Normal Range (2) Within the Normal Range but outside the Optimum Range or (3) Within the Optimum Range.

<u>Outside Normal</u>	<u>Result</u>	<u>Reference</u>	<u>Optimum</u>
CPK	39	39-895	268-686
PLATELET COUNT	99	170-400	228-340
CREATININE	1.7	2-1.8	1-1.3



<u>Normal Not Optimal</u>	<u>Result</u>	<u>Reference</u>	<u>Optimum</u>
AST(SGOT)	18	15-66	28-53
LACTIC DEHYDROGENASE (LDH)	23	20-500	140-180
TOTAL CHOLESTEROL	35	39-261	64-134
CHLORIDE	126	102-130	103-116
LIPASE	102	77-695	212-541
ABSOLUTE LYMPHOCYTES	1278	680-4900	1843-3548
ALT (SGPT)	11	12-118	39-77
GOTP	5	1-12	3-4.5
POTASSIUM	4	3.6-5.5	4.1-5



<u>Optimal</u>	<u>Result</u>	<u>Reference</u>	<u>Optimum</u>
AN	1.2	1-2	1.1-1.7
ABSOLUTE EOSINOPHILS	426	0-1200	50-900
ABSOLUTE MONOCYTES	426	0-840	210-790
ABSOLUTE POLYS	4899	2060-10600	4195-8465
ALBUMIN	3.4	2.7-4.4	3.1-4
ALKALINE PHOSPHATASE	75	5-121	17-100
AMYLASE	831	290-1125	499-916
BUNCREATININE	11	4-27	10-21
CALCIUM	9.8	8.9-11.4	9.5-10.8
CHOLESTEROL	190	92-324	125-266
GLOBULIN	2.8	1.6-3.6	2.1-3.1



GLUCOSE	108	70-138	70-180
HEMATOCRIT	52.5	36-60	42-54
HEMOGLOBIN	16.6	12.1-20.3	14.2-18.3
PHOSPHOROUS	3.7	2.3-6	3.4-5.1
RBC (Red Blood Cells)	7.12	4.8-9.3	5.93-8.18
SODIUM	190	139-154	143-150
Ta	1.8	1-4	1.6-4
TOTAL BILIRUBIN	.3	1-3	1-3
TOTAL PROTEIN	6.2	5-7.4	6-8.8
UREA NITROGEN	18	6-23	14-29
WBC (White Blood Cells)	7.1	4-12.5	6.9-12.6

ALB	4.2	3.8-5.2
ALP	100	44-140
AMYL	100	30-110
AST	18	10-40
BUN	18	6-20
CA	10	8.5-10.5
CL	100	98-108
CPK	39	26-100
CRP	1.7	0-1.3
GGT	5	3-45
HCT	52.5	36-60
HGB	16.6	12.1-20.3
LDH	23	140-380
PLT	310	150-450
PT	13	11-14
PTT	33	26-36
SGOT	18	10-40
SGPT	33	10-40
TRIG	100	10-160
WBC	7.1	4-12.5

RNA Detailed Results for LADY SOUCY

The following explains the blood results that are metabolically significant:

ABSOLUTE LYMPHOCYTES

Result: 1278	Optimum Range: 1643-3548	Reference Range: 690-2500
A depressed LYMPHOCYTE count indicates an imbalanced or weakened immune system. This may indicate weaknesses in the thyroid as well as the requirement for vitamins C and vitamin B complex.		

ALT (SGPT)

Result: 33	Optimum Range: 39-77	Reference Range: 12-118
A depressed ALANINE TRANSFERASE level indicates a clogging of the cell membranes which may impair transport of nutrients to and from the cells. This may also indicate higher than desired levels of fat, which may cause inefficient functioning of the liver (hepatic lipolysis) and lymph system. It may also indicate weaknesses in the liver and lymph system as well as deficiencies of vitamin A, vitamin D, vitamin B complex, lecithin, choline, inositol, and essential fatty acids.		

AST(SGOT)

Result: 18	Optimum Range: 28-53	Reference Range: 15-46
A depressed ASPARTATE AMINOTRANSFERASE level indicates that the cell membranes are impaired and that there may be weaknesses in glands such as the gonads (male or female), liver, and thyroid as well as the requirement for coenzyme Q10.		

CHLORIDE

Result: 120	Optimum Range: 107-116	Reference Range: 102-120
An elevated CHLORIDE level indicates that the cells are not allowing the proper flow of vital nutrients and compounds. This may indicate weaknesses in the intestines as well as deficiencies of vitamin A, vitamin E, vitamin D and vitamin K and the requirement for chlophyll.		

CPK

Result: 39	Optimum Range: 263-686	Reference Range: 59-895
A depressed CREATINE PHOSPHOKINASE level may indicate atrophy or wasting of the muscles, including the muscles of the heart. This may also indicate deficiencies of essential amino acids and vitamin E.		

CREATININE

Result: 1.7	Optimum Range: .8-1.3	Reference Range: .5-1.6
An elevated CREATININE level indicates impaired metabolism in the muscles as well as improper protein absorption. This may indicate weaknesses in the pancreas leading to low levels of pancreatic enzymes as well as weaknesses in the anterior pituitary and gonadal system. This may also indicate serious kidney disease.		

GGTP

Result: 5	Optimum Range: 3-4.5	Reference Range: 1-12
An elevated GAMMA GLUTAMYL TRANSFERASE level indicates a decrease in oxygen levels in the body due to the presence of excessive wastes and toxins. This may indicate deficiencies of vitamin B complex, copper and iron. This may also indicate weaknesses in the liver.		

LACTIC DEHYDROGENASE (LDH)

Result: 23	Optimum Range: 140-380	Reference Range: 20-500
A depressed LACTIC DEHYDROGENASE level indicates low blood sugar (hypoglycemia) and an alkaline blood. This may cause the body to retain water. This indicates deficiencies of such acidic nutrients as folic acid, PABA and pantothenic acid as well as vitamin C (ascorbic acid). This may also indicate weaknesses in the pancreas.		

LIPASE

Result: 102	Optimum Range: 232-541	Reference Range: 77-695
A depressed LIPASE level indicates weaknesses in the pancreas as well as the body's inability to properly digest fats. This may also indicate deficiencies of digestive enzymes, including lipase. Diet should be adjusted to minimize saturated fats and cholesterol conservatives, as well as to ensure the intake of the proper levels of essential fatty acids.		

PLATELET COUNT

Result: 99	Optimum Range: 228-343	Reference Range: 170-400
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A depressed **PLATELET** count may indicate an adverse reaction to drugs or toxins. It may also indicate an inflamed or imbalanced immune system, which is destroying its own tissue or cells (auto-immune condition). This may also indicate weaknesses in the bone marrow and spleen, as well as deficiencies of vitamin C and vitamin E.

POTASSIUM

Result: 4	Optimum Range: 4.1-5	Reference Range: 3.6-5.5
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A depressed **POTASSIUM** level indicates excessive oxygen in the heart muscles which may slow down the proper exchange of such nutrients as essential fatty acids. It may also indicate the requirement for minerals such as calcium, chromium, magnesium and selenium as well as antioxidants in the heart, salivary and hypothalamic glands.

TRIGLYCERIDES

Result: 30	Optimum Range: 95-126	Reference Range: 29-191
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A depressed **TRIGLYCERIDE** level indicates the body's inability to properly digest carbohydrates, which may lead to lower than desirable levels of sugar in the blood (hypoglycemia). This may indicate an imbalance of acid levels in the stomach and intestines. This may also indicate deficiencies of essential fatty acids, lecithin, inositol and choline.

Recommended Therapy for LADY SOUCY

Based upon the above results, the following RNA Nutritional Therapy is recommended for LADY SOUCY:

Powdered

Vitamins	Dosage	Frequency	Nutrients	Dosage	Frequency
Vitamin A/D	4469 IU	BID	L-carnitine	155 mg	BID
Vitamin B (Acid)	55 mg	BID	Lecithin, Inositol, Choline	700 mg	BID
Vitamin C Complex	725 mg	BID			
Vitamin E	325 IU	BID			

Minerals	Dosage	Frequency	Medicinals	Dosage	Frequency
NOA			Coenzyme Q10	20 mg	BID
			Glucosamine	690 mg	BID

Enzymes	Dosage	Frequency	Glands	Dosage	Frequency
Pancreatin	14150 USP	BID	Bone Marrow	101 mg	BID
			Heart	193 mg	BID
			Kidney	182 mg	BID
			Liver	425 mg	BID
			Ovary/Uterus	173 mg	BID
			Pancreas	188 mg	BID
			Prostate (Whole)	33 mg	BID
			Spleen	193 mg	BID
			Thyroid	34 mg	BID

Liquid Remedies

The following remedies are recommended for LADY SOUCY:

Remedies	Dosage	Frequency
<input type="checkbox"/> Heart drops	12 drops	BID-CA
<input type="checkbox"/> Heart Formula	20 drops	BID
<input type="checkbox"/> Kidney/Ovary/Adrenal drops	12 drops	BID-CA