

Gastrointestinal Disease Report



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

PATIENT NAME: Jordie Miranda
SPECIMEN ID: 176583
SPECIES: Canine
GENDER: Male Neutered
AGE: 3.0
WEIGHT: 20.7 lb
BREED: French Bulldog

MRN: 1071428
DRAW DATE: 9-Mar-23
RECEIVED DATE: 10-Mar-23
REPORT DATE: 10-Mar-23
SAMPLE TYPE: Frozen Serum

VETERINARIAN:
FACILITY:

Gastrointestinal Disease - Dashboard

Related Tests

B12 Normal 693.4 <small>Normal: 220-1080 pg/mL</small>	Folate Normal 5.0 <small>Normal: 4.3 - 21.0 ng/mL</small>	Vitamin D Insufficient 72.8 <small>Sufficiency: 100-150 ng/mL</small>	Magnesium Low Normal 2.1 <small>Normal: 1.7-2.9 mg/dL</small>	Allergies Not Tested	
CRP Moderate 14.0 <small>Normal: ≤ 4.0</small>	TK1 High 8.4 <small>Normal: <3.0 U/L</small>	Neoplasia Index Low Positive 5.7 <small>Negative: ≤ 5.2</small>	cPL Normal <50 <small>Normal: <200 ng/mL</small>		Addison's Cortisol Not Tested <small>Normal: 2 - 6 ug/dL</small>
Total Protein Normal 6.7 <small>Range: 5.8 - 8.8 g/dL</small>	Albumin Normal 3.3 <small>Range: 2.9 - 4.3 g/dL</small>	Globulin Normal 3.4 <small>Range: 2.7 - 4.6 g/dL</small>	A/G Ratio Normal 1.0 <small>Range: 0.7 - 1.5</small>		

Interpretation of results based upon patient exhibiting GI signs

Chronic Enteropathy 3510

LSA	Low Confidence
LSA clinical score: <small>Clinical signs not provided on TRF</small>	
Pattern is consistent with LSA. Patient has a positive Neoplasia Index and should be evaluated. An ultrasound is recommended. See report for details.	Confidence Factors low pos NI high TK1 pos inflam

Pancreatitis 1410

Not Detected	No Action
Pancreatitis clinical score: <small>Clinical signs not provided on TRF</small>	
Negative pancreatic lipase and other parameters are not supportive of pancreatitis.	

Protein Losing Enteropathy 2111

Normal	No Action
There is no evidence the patient has PLE.	

Essential Vitamins 2211

Deficiencies Detected	Suppl Warranted
Patient has been found to have deficiencies with recommended supplementation on attached report.	

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

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Relevant Context (provided on TRF)

Corticosteroids Antibiotics
 NSAIDs Suspected Mass
 GI Signs Enlarged Node

Other Recommended Tests or Procedures to Perform
ultrasound

need consult? email consult@vdilab.com

Neoplasia Index®

cGI.LSA

Low Positive

5.7

Index



Negative: ≤ 5.2
Equivocal: 5.3
Positive: 5.4 - 8.1
High Positive: ≥ 8.2

Interpretive Comments

Results are consistent with LSA

Patient has a positive Neoplasia Index indicative of LSA. This profile of TK1/ CRP/ B12 is consistent with GI LSA - patient should be evaluated. An ultrasound is recommended.

TK1

High

8.4

U/L



Normal: ≤ 3.0
Equivocal: ≤ 6.6
High: 6.6 - 24.9
Highly Elevated: ≥ 25.0

Interpretive Comments

High levels of TK1 with moderate inflammation can be found in GI LSA. If the patient is on corticosteroids, both TK1 and CRP may be higher as these medications suppress the inflammatory and proliferative response.

CRP

Moderate

14.0

mg/L



Normal: ≤ 3.9
Mild Inflam: 4 - 9.9
Mod Inflam: 10 - 39.9
High Inflam: ≥ 40

Cobalamin

Normal

693.4

pgm/L

Folate

Normal

5.0

ng/mL

Low: <220
Low Normal: 220 - 400
Normal: 220 - 1080
High: ≥1080

Low: <4.3
Normal: 4.3 - 21.0
High: >21.0

Interpretive Comments

Patient has normal B12 and Folate levels. Maintain current diet and supplementation and retest in 1 year unless health or diet changes occur.

Contextual Comments (if needed)

profile code 32340 LSA

* The classification of LSA is based upon test result profiling and should not be considered definitive. It is most reliable in the untreated dog. Patient disease classification will be affected if the patient is on corticosteroids or other anti-inflammatory or anti-proliferative medications. An ultrasound is always recommended and should be supportive of test results. If ultrasound and test results conflict, it is recommended the test be repeated in 3-4 weeks with the patient off of corticosteroids. If the test requisition indicates the patient is on corticosteroids, the Neoplasia Index will be adjusted for the effect medication may have on TK1/HPT. For definitive disease classification (eg, small cell, large cell), a biopsy is required.

Vitamin D Report

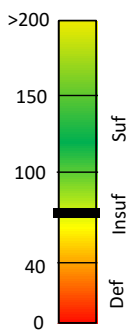


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25(OH)D (ng/mL)

Insufficient
72.8

Deficient: ≤ 40.0
Insufficient: 40.1 - 99.9
Sufficient: 100 - 150
Elevated: ≥ 150

Dose at time of draw:

0 IU/day

Increase dose by:

300 IU/day



New Recommended Dose Range

Low End Sufficiency (~100 ng/mL)	High End Sufficiency (~130 ng/mL)
300 IU/day	700 IU/day
For most patients without underlying conditions, or taking corticosteroids	For patients that warrant a higher VitD level and/or those on corticosteroids.

Patient History

ID	Date	Result ng/mL	Known Dose iu/day
435479	7/20/2021	74.8	0
454774	1/11/2022	47.3	0

Interpretive Comments - need consult? email consult@vdlab.com

Your patient is found to be insufficient. Insufficiency increases risk of developing other serious diseases. Supplement with D3 per recommendations and retest in 8-10 weeks or 4 months for obese patients.

If any of the following occur, wait 2 months from the date of change, then retest:

- Major Diet Change
- Change in Health Status (eg PLE)
- Change of Vitamin D supplement or daily treats
- Supplementation is stopped for longer than 4 weeks
- Patient is put on Corticosteroids
- Patient is put on NSAIDS

Supplementation Guide

Total Dose Recommended:		300 IU/day ↔ 700 IU/day	
*Choose only one product for supplementation			
PRODUCT NAME	PRODUCT STRENGTH	PRODUCT FORMAT	
			Low End Dose High End Dose
RxD3 <i>Rx Vitamins</i>	100 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/> 3 drops/day <input type="checkbox"/> 7 drops/day
RxD3 Forte <i>Rx Vitamins</i>	500 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/> 1 drop/day <input type="checkbox"/> 1 drop/day

Retest NO SOONER THAN: May 19, 2023

B12 (Cobalamin) Report



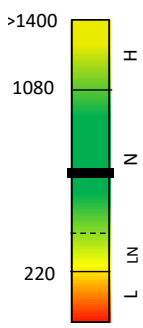
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Cobalamin (pg/mL)

Normal
693.4

Low (L): <220
Low Normal (LN): 220 - 400
Normal (N): 220 - 1080
High (H): ≥1080

In unfasted patients, actual B12 values may be lower, which may impact dose recommendation.

B12 Dose at time of draw:

0 mcg/day

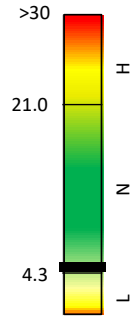
Increase B12 dose by:

0 mcg/day



New Recommended B12 Dose

Fasted Sample?	unknown
0 mcg/day	
B12 dosing recommendations are for daily supplementation. Continue indefinitely unless changes in health or diet require modification.	



Folate (ng/mL)

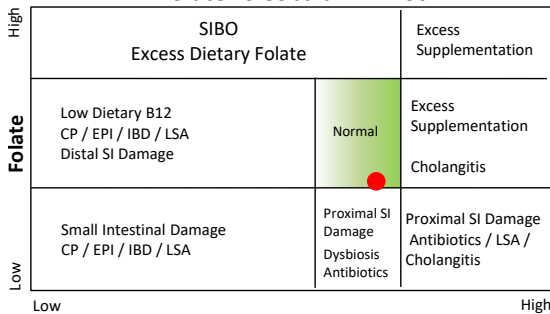
Normal
5.0

Low (L): <4.3
Normal (N): 4.3 - 21.0
High (H): > 21.0

Patient History

ID	Date	B12 pg/mL	Folate ng/mL	Known B12 Dose mcg/day

Folate vs Cobalamin Plot



Cobalamin
chart assumes unsupplemented patient

need consult? email consult@vdiilab.com

Comments

Patient has normal B12 and Folate levels. Maintain current diet and supplementation and retest in 1 year unless health or diet changes occur.

Total B12 Dose Recommended:

0 mcg/day

PRODUCT NAME	PRODUCT STRENGTH	PRODUCT FORMAT	Drops Dose	mL Dose
RxB12 <i>Rx Vitamins</i>	250 mcg/mL 6.5 mcg/drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/>	<input type="checkbox"/>
RxB12 Forte <i>Rx Vitamins</i>	1000 mcg/mL 33 mcg/drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/>	<input type="checkbox"/>

*Choose only one product for supplementation



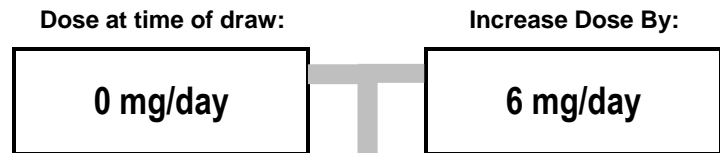
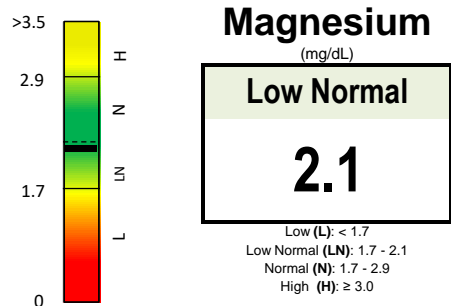
Magnesium Report

PATIENT NAME: Jordie Miranda
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New Recommended Dose

MagRatio	Not Available
6 mg/day	

Magnesium dosing recommendations are for daily supplementation. Continue indefinitely unless changes in health or diet require modification.

Patient History

ID	Date	Result m g/dL	Known Dose mg/day

Interpretive Comments - need consult? email consult@vdlab.com 214

Patient has low normal Magnesium levels. Supplement as indicated (Daily topical lotion is recommended). Restest in 90 days.

Supplementation Guide

Total Dose Recommended:		6 mg/day		
PRODUCT NAME	PRODUCT STRENGTH	PUMP VOLUME	PRODUCT FORMAT	Dose
Magnesium Lotion for Pets <i>Magnum Solace</i>	50 mg/mL	0.23 mL/pump 11.5 mg/pump	Topical Lotion	<input type="checkbox"/> 4 pumps/week
Other				<input type="checkbox"/>

Additional Reviewer Comments - need consult? email consult@vdlab.com

Retest NO SOONER THAN: June 13, 2023