



Cancer Panel Report

PATIENT NAME: Max Smith **MRN:** 5555555 **VETERINARIAN:**
SPECIMEN ID: 555555 **DRAW DATE:** 1-Sep-21 **FACILITY:**
SPECIES: Canine **RECEIVED DATE:** 8-Sep-21
GENDER: Male Neutered **REPORT DATE:** 9-Sep-21
AGE: 8.0 **SAMPLE TYPE:** Frozen Serum **PH:**
WEIGHT: 18.8 lb **PATIENT STAGE:** Unknown **FAX:**
BREED: Lhasa Apso

Relevant Context (provided on TRF)

<input type="checkbox"/> Corticosteroids	<input type="checkbox"/> Antibiotics	<input type="checkbox"/> Suspected Mass	<input type="checkbox"/> Hypercalcemia
<input type="checkbox"/> NSAIDs	<input type="checkbox"/> Anemia	<input type="checkbox"/> Enlarged Node	<input type="checkbox"/> B12 Deficiency
<input type="checkbox"/> Chemotherapy	<input type="checkbox"/> GI Signs	<input type="checkbox"/> Fever	<input type="checkbox"/> Known Disease

Neoplasia Index™

Positive

7.6

Index

Negative: <5.3
 Equivocal: 5.3
 Positive: 5.4 - 8.9
 High Positive: ≥ 9.0



Positive Predictive Value
0.86

Interpretive Comments

The Neoplasia Index™ is positive because there sufficient elevation in TK1 and CRP to elevate the risk of neoplasia. Careful patient examination should be performed. If the patient is on corticosteroids both TK1 and CRP may be suppressed. If a mass has been identified, this is consistent with neoplasia; however, there is a high probability the growth is benign or in a very early stage (pre-malignancy).

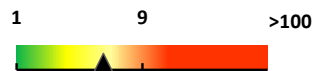
TK1

Equivocal

4.6

U/L

Normal: ≤ 2.9
 Equivocal (E): 3.0 - 8.9
 High (H): ≥ 9.0



Interpretive Comments

TK1 is slightly elevated but below the critical threshold of 9U/L. The use of corticosteroids may reduce TK1 levels.

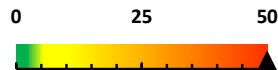
cCRP

High

>50

mg/L

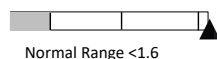
Normal: ≤ 3.9
 Mild Inflamm (m): 4 - 9.9
 Mod Inflamm (M): 10 - 39.9
 High Inflamm (H): ≥ 40



Interpretive Comments

CRP is highly elevated. Infection, which can be primary or secondary to cancer, should be ruled-out. The use of corticosteroids, NSAIDs, or other anti-inflammatory agents can suppress CRP. Recommend careful patient evaluation.

CAR: 36.4



Comment: Patient CRP/Albumin Ratio (CAR) is HIGH indicating high risk of serious disease. Immediate evaluation is warranted.

Contextual Comments (if needed)

code 242.00.0.0

1.4

Other Conditions to rule-out

Infection

Supplemental Report



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

PATIENT NAME: Max Smith
SPECIMEN ID: 555555
SPECIES: Canine
GENDER: Male Neutered
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FAX:

Vitamins & Minerals

Summary of Vitamin D (Deficient, 7.6), B12 (Low, 146.6), Magnesium (Low, 1.5), and tCa. Includes normal ranges and a recommendation for Magnesium supplementation.

Other Tests

Results for Osteoarthritis (HA) and Canine HPT. Includes graphical scales and normal/positive ranges for both tests.

4.55

Vitamin D Report

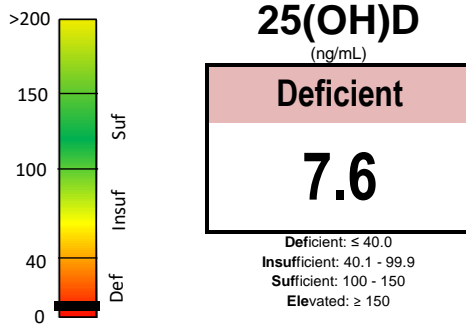


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Dose at time of draw:

Not Provided

Increase dose by:

2000 IU/day



New Recommended Dose Range

Low End Sufficiency (~100 ng/mL)	High End Sufficiency (~130 ng/mL)
2000 IU/day	2600 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

Interpretive Comments

Your patient is found to be deficient. Deficiency greatly increases risk of developing other serious diseases. Current supplementation was not provided, so increase (or start) patient on 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 | Supplementation is stopped for longer than 4 weeks |
| Change in Health Status (eg PLE/PLN) | Patient is put on Corticosteroids |
| Change of Vitamin D supplement or daily treats | Patient is put on NSAIDS |

Supplementation Guide

Total Dose Recommended:		2000 IU/day ↔ 2600 IU/day			
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"/>	0.75 mL/day	<input type="checkbox"/> 0.75 mL/day
RxD3 Forte <i>Rx Vitamins</i>	500 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/>	4 drops/day	<input type="checkbox"/> 5 drops/day

Retest NO SOONER THAN:

November 18, 2021

B12 (Cobalamin) Report

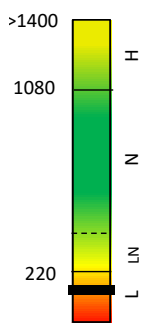


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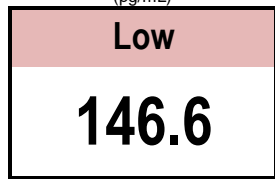
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VETERINARIAN:
FACILITY:
PH:
FAX:



Cobalamin



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

B12 Dose at time of draw:

Not Provided

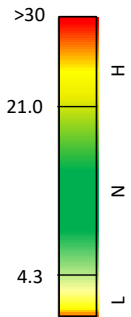
Increase B12 dose by:

136 mcg/day

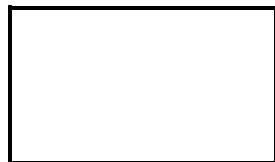


New Recommended B12 Dose

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



Folate



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

High	SIBO Excess Dietary Folate		Excess Supplementation
	Low Dietary B12 EPI/IBD/LSA Distal SI Damage	NORMAL	
Low	Small Intestinal Damage EPI/IBD/LSA	Proximal SI Damage Dysbiosis Antibiotics	Proximal SI Damage Excess B12 Supplementation Antibiotics
	Low	Cobalamin	High

Comments

Patient has low B12 levels. Supplement as indicated and retest in 8-10 weeks.

Total B12 Dose Recommended:

136 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"/> use mL dose	<input type="checkbox"/> 0.5 mL/day
RxB12 Forte <i>Rx Vitamins</i>	1000 mcg/mL 33 mcg/drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/> 5 drops/day	<input type="checkbox"/> 0.25 mL/day

Retest NO SOONER THAN: November 17, 2021

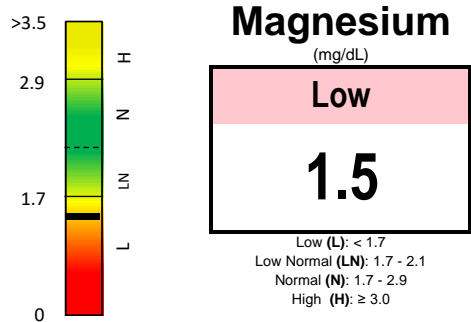


Magnesium Report

PATIENT NAME: Max Smith
SPECIMEN ID: 555555
SPECIES: Canine
GENDER: Male Neutered
AGE: 8.0
WEIGHT: 18.8 lb
BREED: Lhasa Apso

MRN: 5555555
DRAW DATE: 1-Sep-21
RECEIVED DATE: 8-Sep-21
REPORT DATE: 9-Sep-21
SAMPLE TYPE: Frozen Serum

VETERINARIAN:
FACILITY:
PH:
FAX:



Dose at time of draw:

0 mg/day

Increase Dose By:

15 mg/day



New Recommended Dose

MagRatio	Not Available
15 mg/day	
Magnesium dosing recommendations are for daily supplementation. Continue indefinitely unless changes in health or diet require modification.	

Patient History

ID	Date	Result mg/dL	Known Dose mg/dL

Interpretive Comments

113

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

Supplementation Guide

Total Dose Recommended:		15 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"/> 1 pumps/day
Other				<input type="checkbox"/>

Retest NO SOONER THAN: December 12, 2021