

# Canine Wellness Report



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

**PATIENT NAME:** Maxwell  
**SPECIMEN ID:** 472406  
SPECIES: Canine  
GENDER: Male  
AGE: 11.0  
WEIGHT: 60 lb  
BREED: Labrador Retriever

**MRN:** 1090715  
DRAW DATE: 23-Sep-22  
RECEIVED DATE: 28-Sep-22  
REPORT DATE: 7-Oct-22  
SAMPLE TYPE: Dried Serum - 2

**VETERINARIAN:**  
FACILITY:  
  
PH:  
FAX:

## Wellness Dashboard

<b>Vitamin D</b> Sufficient <b>134.4</b> Sufficiency: 100-150 ng/mL	<b>B12</b> Low <b>205.6</b> Normal: 220-1080 pg/mL	<b>Magnesium</b> Normal <b>2.3</b> Normal: 1.7-2.9 mg/dL	<b>tCa</b>   Normal: 8.5 - 12.0 mg/dL
<b>PTH<sup>1-84</sup></b>   Normal: 4 - 38 pg/mL	<b>Folate</b> Normal <b>8.5</b> Normal: 4.3 - 21.0 ng/mL		

<b>Inflammation (CRP)</b>   Optimal: $\leq 2.0$ Normal: $\leq 3.9$ Mild Inflammation (m): 4 - 9.9 Moderate Inflammation (M): 10 - 39.9 High Inflammation (H): $\geq 40$ (mg/L)	<b>Previous</b>  	<b>Chemistries</b>   <b>CAR not performed</b>
---	-------------------------	--

## Additional Tests

<b>Cancer Risk</b>   Very Low Risk: $\leq 2.1$ Low Risk: 2.2 - 5.2 Elevated Risk: 5.3 - 8.9 Highly Elevated Risk: $\geq 9.0$	<b>Previous</b>  	<b>Osteoarthritis (HA)</b>   Normal: $\leq 20$ Positive: $> 20$ (ng/mL)	<b>Previous</b>  
--	-------------------------	--	-------------------------

501

need consult? email [consult@vdi lab.com](mailto:consult@vdi lab.com)

# Vitamin D Report

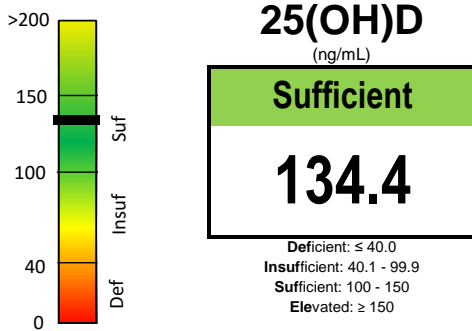


VDI Lab Services  
4685 Runway St. Ste K Simi Valley, CA 93063  
ph: 805-577-6742 fax: 805-426-8115

**PATIENT NAME:** Maxwell  
**SPECIMEN ID:** 472406  
**SPECIES:** Canine  
**GENDER:** Male  
**AGE:** 11.0  
**WEIGHT:** 60 lb  
**BREED:** Labrador Retriever

**MRN:** 1090715  
**DRAW DATE:** 23-Sep-22  
**RECEIVED DATE:** 28-Sep-22  
**REPORT DATE:** 7-Oct-22  
**SAMPLE TYPE:** Dried Serum - 2

**VETERINARIAN:**  
**FACILITY:**  
**PH:**  
**FAX:**



**Dose at time of draw:**

**0 IU/day**

**Change dose by**

**0 IU/day**



## New Recommended Dose Range

Low End Sufficiency (~100 ng/mL)	High End Sufficiency (~130 ng/mL)
<b>Not Required</b>	<b>Not Required</b>
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 - need consult? email [consult@vdlab.com](mailto:consult@vdlab.com)

Your patient is found to be sufficient. Continue on the same diet and retest in 1 year unless one of the conditions below is met.

#### 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)               | Patient is put on Corticosteroids                  |
| Change of Vitamin D supplement or daily treats | Patient is put on NSAIDS                           |

### Supplementation Guide

Total Dose Recommended:			<b>Not Required</b>	↔	<b>Not Required</b>
PRODUCT NAME	PRODUCT STRENGTH	PRODUCT FORMAT	Low End Dose		High End Dose
<b>RxD3</b> <i>Rx Vitamins</i>	100 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/>		<input type="checkbox"/>
<b>RxD3 Forte</b> <i>Rx Vitamins</i>	500 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/>		<input type="checkbox"/>

# B12 (Cobalamin) Report

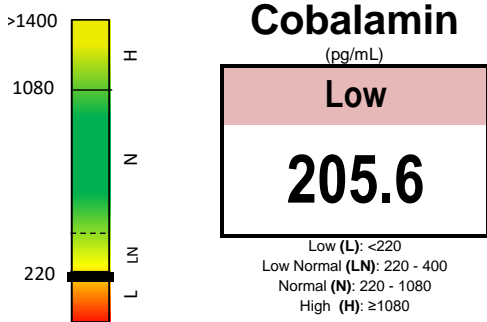


VDI Lab Services  
4685 Runway St. Ste K Simi Valley, CA 93063  
ph: 805-577-6742 fax: 805-426-8115

**PATIENT NAME:** Maxwell  
**SPECIMEN ID:** 472406  
**SPECIES:** Canine  
**GENDER:** Male  
**AGE:** 11.0  
**WEIGHT:** 60 lb  
**BREED:** Labrador Retriever

**MRN:** 1090715  
**DRAW DATE:** 23-Sep-22  
**RECEIVED DATE:** 28-Sep-22  
**REPORT DATE:** 7-Oct-22  
**SAMPLE TYPE:** Dried Serum - 2

**VETERINARIAN:**  
**FACILITY:**  
**PH:**  
**FAX:**



B12 Dose at time of draw:

**0 mcg/day**

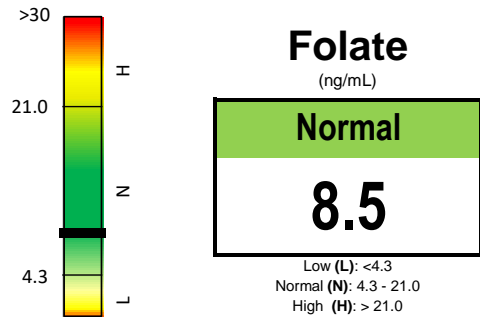
Increase B12 dose by:

**405 mcg/day**



## New Recommended B12 Dose

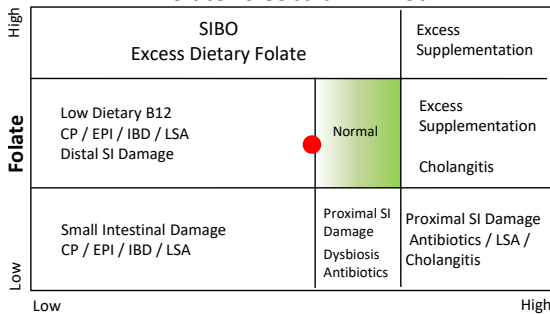
Fasted Sample?	Fasted
<b>405 mcg/day</b>	
B12 dosing recommendations are for daily supplementation. Continue indefinitely unless changes in health or diet require modification.	



### Patient History

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

### Folate vs Cobalamin Plot



**Cobalamin**  
chart assumes unsupplemented patient

### Comments

Patient has low B12 levels with normal Folate. This may be due to low dietary B12 or damage to the distal small intestine due to CE. Supplement B12 as indicated and retest in 8-10 weeks.

## Total B12 Dose Recommended:

**405 mcg/day**

PRODUCT NAME	PRODUCT STRENGTH	PRODUCT FORMAT	Drops Dose	mL Dose
<b>RxB12</b>	<b>250 mcg/mL</b>	<b>Liquid Drops</b>	<input type="checkbox"/> use mL dose	<input type="checkbox"/> 1.5 mL/day
<i>Rx Vitamins</i>	<i>6.5 mca/drop</i>	<i>Applied to food</i>		
<b>RxB12 Forte</b>	<b>1000 mcg/mL</b>	<b>Liquid Drops</b>	<input type="checkbox"/> use mL dose	<input type="checkbox"/> 0.5 mL/day
<i>Rx Vitamins</i>	<i>33 mcg/drop</i>	<i>Applied to food</i>		

need consult? email [consult@vdiilab.com](mailto:consult@vdiilab.com)

**Retest NO SOONER THAN:**

**December 7, 2022**

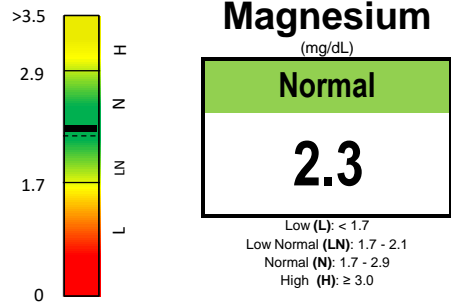


## Magnesium Report

**PATIENT NAME:** Maxwell  
**SPECIMEN ID:** 472406  
**SPECIES:** Canine  
**GENDER:** Male  
**AGE:** 11.0  
**WEIGHT:** 60 lb  
**BREED:** Labrador Retriever

**MRN:** 1090715  
**DRAW DATE:** 23-Sep-22  
**RECEIVED DATE:** 28-Sep-22  
**REPORT DATE:** 7-Oct-22  
**SAMPLE TYPE:** Dried Serum - 2

**VETERINARIAN:**  
**FACILITY:**  
**PH:**  
**FAX:**



**Dose at time of draw:** 0 mg/day  
**Increase Dose By:** 0 mg/day

**New Recommended Dose**

MagRatio	Not Available
<b>0 mg/day</b>	

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](mailto:consult@vdlab.com)

314

Patient has Normal Magnesium levels. Maintain current diet and retest in 1 year unless diet or health changes occur.

### Supplementation Guide

<b>Total Dose Recommended:</b>		<b>0 mg/day</b>		
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"/>
Other				<input type="checkbox"/>

**Retest NO SOONER THAN:**



**PATIENT NAME:** Maxwell  
**SPECIMEN ID #:** 472406  
**SPECIES / SEX:** Canine / M  
**BREED:** Labrador Retriever  
**AGE:** 11.0  
**WEIGHT:** 60 lb

**MRN:** 1090715  
**COLLECTION DATE:** 23-Sep-22  
**RECEIVED DATE:** 28-Sep-22  
**REPORT DATE:** 7-Oct-22  
**SAMPLE TYPE:** Fur

**VETERINARIAN:**  
**FACILITY:**  
**PH:**  
**FAX:**

Fur/hair is the only matrix suitable for studying a long period of exposure to pollutants. The pollutants circulating in the blood are automatically captured by the web of the fur when it grows and stays intact. Blood analysis is useful, but contrary to fur/hair analysis, blood is a snapshot and not the culmination of weeks of exposure.

Test	Range	Flag	Previous	Results	Notable Change	Comments
				PPM		
Ca	700-3000			1765.69		Patient values outside of the normal ranges for nutritional minerals may be the result of inadequate diet, environmental exposure, poor metabolism, or other conditions.  Evaluate patient and retest in 2 months after correcting for any irregularities.  Refer to Mineral Supplementation page for guidance.
Co	0.02-0.5			0.13		
Cr	0.6-5			1.32		
Cu	8-25	low		7.86		
Fe	25-400			283.60		
K	200-1400			1126.38		
Mg	100-450			389.84		
Mn	1-10	high		18.63	▲	
Na	700-10000			6684.67		
P	220-500			272.84		
Se	0.4-2.5			1.64		
Si	20-600			61.25		
Sr	0-4.5			3.33		
V	0-1.2			0.39		
Zn	150-300	low		116.12		
Ag	0-2			0.02		Patient values are all within the normal limits indicating no historical or ongoing issues with environmental minerals.  Retest if major diet or health change occurs, or animal's environment substantially changes.
Al	0-250			209.48		
Au	0-2			0.01		
B	0-5			4.70		
Ba	0-5			4.23		
Be	0-1			0.01		
Li	0-0.5			0.32		
Mo	0-3			0.12		
Ni	0-10			0.49		
Sn	0-5			0.06		
<b>As</b>	0-1			0.04		Patient has no significant elevation of toxic metals
<b>Cd</b>	0-0.7			0.01		
<b>Hg</b>	0-0.2			0.01		
<b>Pb</b>	0-10			0.67		

Reference intervals should be considered as guidelines for comparison with reported test values. These reference ranges were established from a large population of "healthy" animals. They should not be considered as absolute limits for determining deficiency, toxicity or acceptance until fully validated element-specific studies are completed.



PATIENT NAME: Maxwell

MRN: 1090715

VETERINARIAN:

The following minerals have been identified as being outside of the reference interval.

For a description of all minerals, visit our website at: [www.vdilab.com](http://www.vdilab.com)

Symbol	Name	Description
<b>Cu</b>	<b>Copper</b>	Copper in fur suggests environmental exposure or consumption of items such as pennies, copper wiring, jewelry or other copper containing metals. Excessive amounts of copper over time may become toxic and may damage the liver if left untreated or source of copper is not removed.
<b>Mn</b>	<b>Manganese</b>	Manganese is dietary derived and can be absorbed by digesting items that have high concentration of manganese. Whole grains, eggs, nuts and leafy vegetables contain a good amount of manganese.
<b>Zn</b>	<b>Zinc</b>	Zinc is an essential mineral found in red meats, whole grains, and other animal products. Excess zinc found in fur may be due to the consumption of items such as bolts, pennies, jewelry, nasal sprays, and many other household items that contain zinc.