



**PATIENT NAME:** Lulubelle Jones  
**SPECIMEN ID:** 456849  
**SPECIES:** Canine  
**GENDER:** Female Spayed  
**AGE:** 11.6  
**WEIGHT:** 4.5 lb  
**BREED:** Shih Tzu

**MRN:** 1078617  
**DRAW DATE:** 8-Feb-22  
**RECEIVED DATE:** 15-Feb-22  
**REPORT DATE:** 15-Feb-22  
**SAMPLE TYPE:** Dried Serum - 2

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

**REPORT DATE:** 15-Feb-2022

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™

NI fGILSA

**Positive**

**6.4**

Index

Negative: ≤ 5.2  
Equivocal: 5.3  
Positive: 5.4 - 7.2  
High Positive: ≥ 7.3



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 advanced GI lymphoma and/or multicentric LSA - patient should be evaluated. An ultrasound is recommended.

**TK1**

**Highly Elevated**

**22.9**

U/L

Normal: ≤ 3.0  
Equivocal: ≤ 6.6  
High (H): 6.6 - 20.0  
Highly Elevated (HE): ≥ 20.1



Interpretive Comments

Highly elevated TK1 (>20U/L) can be found in GI lymphoma and/or multicentric LSA. If the patient is on corticosteroids, both TK1 and HPT may be higher as these medications suppress the inflammatory and proliferative response.

**CRP**

**Mild**

**9.0**

mg/L

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



**Cobalamin**

**Normal**

**696.0**

pgm/L

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

**Folate**

**Normal**

**12.5**

ng/mL

Low (L): <4.3  
Normal (N): 4.3 - 21.0  
High (H): > 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 32240 ADV GI LSA and/or MULTICENTRIC 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

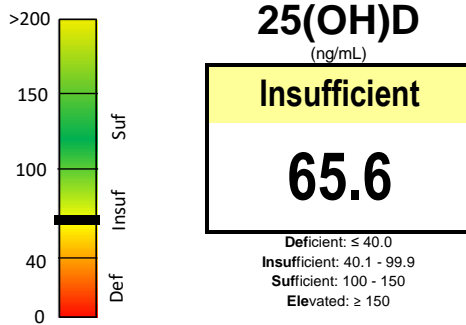


VDI Lab Services  
4685 Runway St. Ste K Simi Valley, CA 93063  
ph: 805-577-6742 fax: 805-426-8115

**PATIENT NAME:** Lulubelle Jones  
**SPECIMEN ID:** 456849  
**SPECIES:** Canine  
**GENDER:** Female Spayed  
**AGE:** 11.6  
**WEIGHT:** 4.5 lb  
**BREED:** Shih Tzu

**MRN:** 1078617  
**DRAW DATE:** 8-Feb-22  
**RECEIVED DATE:** 15-Feb-22  
**REPORT DATE:** 15-Feb-22  
**SAMPLE TYPE:** Dried Serum - 2

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



Dose at time of draw:

0 IU/day

Increase dose by:

100 IU/day



## New Recommended Dose Range

Low End Sufficiency  
(~100 ng/mL)

High End Sufficiency  
(~130 ng/mL)

100 IU/day

200 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 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:

100 IU/day

200 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"/> 1 drop/day	<input type="checkbox"/> 2 drops/day
RxD3 Forte <i>Rx Vitamins</i>	500 IU/ drop	Liquid Drops <i>Applied to food</i>	<input type="checkbox"/>	<input type="checkbox"/>

**Retest NO SOONER THAN:**

**April 26, 2022**

# B12 (Cobalamin) Report

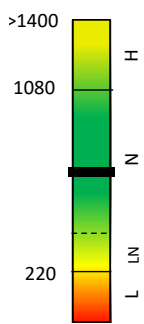


VDI Lab Services  
4685 Runway St. Ste K Simi Valley, CA 93063  
ph: 805-577-6742 fax: 805-426-8115

**PATIENT NAME:** Lulubelle Jones  
**SPECIMEN ID:** 456849  
**SPECIES:** Canine  
**GENDER:** Female Spayed  
**AGE:** 11.6  
**WEIGHT:** 4.5 lb  
**BREED:** Shih Tzu

**MRN:** 1078617  
**DRAW DATE:** 8-Feb-22  
**RECEIVED DATE:** 15-Feb-22  
**REPORT DATE:** 15-Feb-22  
**SAMPLE TYPE:** Dried Serum - 2

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



## Cobalamin (pg/mL)

**Normal**  
**696.0**

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**

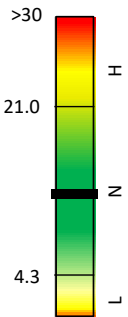
**Increase B12 dose by:**

**0 mcg/day**



## New Recommended B12 Dose

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



## Folate (ng/mL)

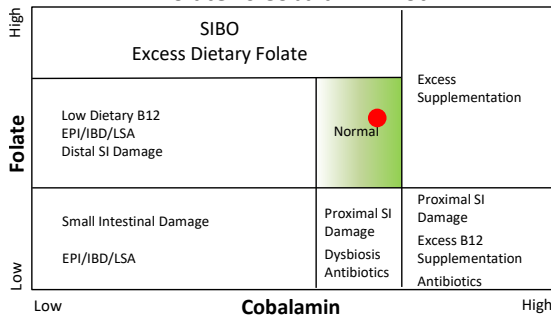
**Normal**  
**12.5**

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



### 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
<b>RxB12</b> <i>Rx Vitamins</i>	<b>250 mcg/mL</b> 6.5 mcg/drop	<b>Liquid Drops</b> <i>Applied to food</i>	<input type="checkbox"/>	<input type="checkbox"/>
<b>RxB12 Forte</b> <i>Rx Vitamins</i>	<b>1000 mcg/mL</b> 33 mcg/drop	<b>Liquid Drops</b> <i>Applied to food</i>	<input type="checkbox"/>	<input type="checkbox"/>