



BART

SPECIES: Canine
BREED: Beagle
GENDER: Male
AGE: 14 Years

COLLECTION DATE: 2/22/19
DATE OF RECEIPT: 2/23/19
DATE OF RESULT: 2/27/19

IDEXX Services: Urinalysis Add-on, Urine Culture and MIC Susceptibility*, Total Health™ Plus with Free T4

Hematology



2/23/19 (Order Received)
2/27/19 12:08 PM (Last Updated)

TEST	RESULT	REFERENCE VALUE	
RBC	8.04	5.39 - 8.7 M/ μ L	
Hematocrit	48.4	38.3 - 56.5 %	
Hemoglobin	17.5	13.4 - 20.7 g/dL	
MCV	60	59 - 76 fL	
MCH	21.8	21.9 - 26.1 pg	L
MCHC	36.2	32.6 - 39.2 g/dL	
% Reticulocyte	0.9	%	
Reticulocytes	72	10 - 110 K/ μ L	
Reticulocyte Hemoglobin	24.3	22.3 - 29.6 pg	
WBC	7.6	4.9 - 17.6 K/ μ L	
% Neutrophils	78.7	%	
% Lymphocytes	12.8	%	
% Monocytes	6.1	%	
% Eosinophils	2.3	%	
% Basophils	0.1	%	
Neutrophils	5.981	2.94 - 12.67 K/ μ L	
Lymphocytes	0.973	1.06 - 4.95 K/μL	L
Monocytes	0.464	0.13 - 1.15 K/ μ L	
Eosinophils	0.175	0.07 - 1.49 K/ μ L	
Basophils ^a	0.008	0 - 0.1 K/ μ L	
Platelets	326	143 - 448 K/ μ L	

^a AUTOMATED CBC



Chemistry



2/23/19 (Order Received)
2/27/19 12:08 PM (Last Updated)

TEST	RESULT	REFERENCE VALUE	
Glucose	123	63 - 114 mg/dL	H
IDEXX SDMA	^a Unable to Determine	0 - 14 ug/dL	
Creatinine	1.3	0.5 - 1.5 mg/dL	
BUN	28	9 - 31 mg/dL	
BUN: Creatinine Ratio	21.5		
Phosphorus	5.7	2.5 - 6.1 mg/dL	
Calcium	11.4	8.4 - 11.8 mg/dL	
Sodium	146	142 - 152 mmol/L	
Potassium	5.5	4.0 - 5.4 mmol/L	H
Na: K Ratio	27	28 - 37	L
Chloride	111	108 - 119 mmol/L	
TCO2 (Bicarbonate)	21	13 - 27 mmol/L	
Anion Gap	20	11 - 26 mmol/L	
Total Protein	7.2	5.5 - 7.5 g/dL	
Albumin	3.9	2.7 - 3.9 g/dL	
Globulin	3.3	2.4 - 4.0 g/dL	
Albumin: Globulin Ratio	1.2	0.7 - 1.5	
ALT	40	18 - 121 U/L	
AST	20	16 - 55 U/L	
ALP	24	5 - 160 U/L	
GGT	1	0 - 13 U/L	
Bilirubin - Total	0.1	0.0 - 0.3 mg/dL	
Bilirubin - Unconjugated	0.0	0.0 - 0.2 mg/dL	
Bilirubin - Conjugated	0.1	0.0 - 0.1 mg/dL	
Cholesterol	235	131 - 345 mg/dL	
Amylase	977	337 - 1,469 U/L	
Lipase	408	138 - 755 U/L	
Creatine Kinase	79	10 - 200 U/L	



Chemistry (continued)

TEST	RESULT	REFERENCE VALUE
Hemolysis Index	^b 3+	
Lipemia Index	^c 1+	
	^a	Unable to determine due to gross hemolysis and/ or lipemia.
	^b	Index of 3+ may decrease ALP and Direct Bilirubin by 25 to 50% and increase AST by 25 to 50%.
	^c	Index of N, 1+, 2+ exhibits no significant effect on chemistry values.

Urinalysis



2/23/19 (Order Received)
2/27/19 12:08 PM (Last Updated)

TEST	RESULT	REFERENCE VALUE
Collection	NOT GIVEN	
Color	Yellow	
Clarity	CLOUDY	
Specific Gravity	1.017	
pH	5.5	
Urine Protein	TRACE	
Glucose	NEGATIVE	
Ketones	NEGATIVE	
Blood / Hemoglobin	2+	
Bilirubin	NEGATIVE	
Urobilinogen	NORMAL	
White Blood Cells	0-2	0 - 5 HPF
Red Blood Cells	10-15	HPF
Bacteria	NONE SEEN	



Urinalysis (continued)

TEST	RESULT	REFERENCE VALUE
Epithelial Cells	3+ (6-10)/HPF	
Mucus	NONE SEEN	
Casts	NONE SEEN	
Crystals	NONE SEEN	

Endocrinology



2/23/19 (Order Received)
2/27/19 12:08 PM (Last Updated)

TEST	RESULT	REFERENCE VALUE	
Total T4	^a 1.1	1 - 4 µg/dL	
Free T4 (ng/dL)	1.1	0.6 - 3.7 ng/dL	
Free T4 (pmol/L)	^b 14.2	7.7 - 47.6 pmol/L	

^a Dogs with no clinical signs of hypothyroidism and results within the reference interval are likely euthyroid. Occasionally, hypothyroid dogs can have a low normal T4 (1-2 ug/dL). Hypothyroidism may be further assessed in these dogs by adding a free T4 and canine TSH. For dogs on thyroid supplement, recommended therapeutic levels are 2.1-5.4 ug/dL. If this sample was drawn 4-6 hours post-pill in a dog on thyroid supplement, a low normal T4 suggests inadequate supplementation.

^b In a dog with clinical signs of hypothyroidism, a decreased free T4 supports the diagnosis of hypothyroidism, and a normal free T4 indicates the dog is likely euthyroid.

Dogs with a significant nonthyroidal illness can have a low free T4 and it is recommended to reevaluate for hypothyroidism, if clinically indicated, once the nonthyroidal illness has resolved. If testing cannot be delayed in a sick dog, consider a free T4 by equilibrium dialysis (test code 8499; add-on 8509), or preferably a thyroid confirmation panel (free T4ED, cTSH and thyroglobulin autoantibody; test code 3017; add-on 3018) to provide additional information about the dog's thyroid status.

Microbiology



2/23/19 (Order Received)
2/27/19 12:08 PM (Last Updated)

Source: URINE

Culture Results: Status: FINAL

No Growth

INTERPRETATION KEY for Antibiotic Susceptibility Results (when performed)
 S = Sensitive. Organism is inhibited by usual recommended dose.



Microbiology (continued)

I = Intermediate. Organism is inhibited only by the maximum recommended dose.

R = Resistant. Organism is resistant to the maximum recommended dose.

These standards have been established by the Clinical and Laboratory Standards Institute (CLSI).

TF = To Follow. Susceptibility testing for this antibiotic is performed by Kirby-Bauer and results will follow shortly.

N/I (not indicated) will be reported and/or MIC data may be left blank and not reported if:

a) the growth requirements of the organism require the sensitivity testing to be performed by another method

b) interpretive criteria are not available from CLSI (in this case, recommended antibiotics will be reported based on clinical efficacy studies)

c) certain antibiotics are not available due to limitations of our commercial laboratory system; or

d) the drug is known to be clinically ineffective against the organism regardless of in vitro results

If "N/I" is listed for ALL antibiotics for a specific isolate, susceptibility testing was not performed for that organism. Please refer to the comment associated with the organism for recommendations if applicable.

For more information on Minimum Inhibitory Concentration (MIC) please see the "Microbiology Guide to Interpreting Minimum Inhibitory Concentration (MIC)" section of the IDEXX Reference Laboratories Directory of Services or visit www.idexx.com/MIC.