

## IVAN HANNEMAN

PET OWNER: **HANNEMAN**  
 SPECIES: Feline  
 BREED: Russian Blue  
 GENDER: Male  
 AGE: 5 Years  
 PATIENT ID: 173214

**Intermountain Pet Hospital Middleton**  
 800 E. Main St.  
 MIDDLETON, ID 83644  
 208-585-3041  
 ACCOUNT #: 87028  
 ATTENDING VET: Dr Brett Bingham

LAB ID: 9000072864  
 ORDER ID: 93899  
 COLLECTION DATE: **5/23/22**  
 DATE OF RECEIPT: **5/24/22**  
 DATE OF RESULT: **5/24/22**

IDEXX Services: **Senior Screen w/ Fecal Dx® Profile, Lab Feline Triple® Test, Spec fPL® and Reflex UPC, SAMPLE/TEST INFO NEEDED, Reflex Urine Protein: Creatinine Ratio**

## Hematology



5/24/22 (Order Received)  
 5/24/22 9:23 PM (Last Updated)

TEST	RESULT	REFERENCE VALUE	
<b>RBC</b>	<b>5.98</b>	<b>7.12 - 11.46 M/μL</b>	L
Hematocrit	29.8	28.2 - 52.7 %	
<b>Hemoglobin</b>	<b>9.4</b>	<b>10.3 - 16.2 g/dL</b>	L
MCV	50	39 - 56 fL	
MCH	15.7	12.6 - 16.5 pg	
MCHC	31.5	28.5 - 37.8 g/dL	
% Reticulocyte	0.3	%	
Reticulocytes	18	3 - 50 K/μL	
Reticulocyte Hemoglobin	17.4	15.3 - 22.9 pg	
WBC	15.3	3.9 - 19.0 K/μL	
% Neutrophils	67.3	%	
% Lymphocytes	24.8	%	
% Monocytes	2.4	%	
% Eosinophils	5.4	%	
% Basophils	0.1	%	
Neutrophils	10.297	2.62 - 15.17 K/μL	
Lymphocytes	3.794	0.85 - 5.85 K/μL	
Monocytes	0.367	0.04 - 0.53 K/μL	
Eosinophils	0.826	0.09 - 2.18 K/μL	
Basophils	<sup>a</sup> 0.015	0 - 0.1 K/μL	
Platelets	281	155 - 641 K/μL	

<sup>a</sup> AUTOMATED CBC

## Chemistry



5/24/22 (Order Received)  
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TEST	RESULT	REFERENCE VALUE	
Glucose	93	72 - 175 mg/dL	
IDEXX SDMA	<sup>a</sup> 11	0 - 14 µg/dL	
<b>Creatinine</b>	<b>2.6</b>	<b>0.9 - 2.3 mg/dL</b>	H
<b>BUN</b>	<b>56</b>	<b>16 - 37 mg/dL</b>	H
BUN: Creatinine Ratio	21.5		
<b>Phosphorus</b>	<b>8.3</b>	<b>2.9 - 6.3 mg/dL</b>	H
Calcium	9.2	8.2 - 11.2 mg/dL	
Sodium	155	147 - 157 mmol/L	
<b>Potassium</b>	<b>5.4</b>	<b>3.7 - 5.2 mmol/L</b>	H
Na: K Ratio	29	29 - 42	
Chloride	124	114 - 126 mmol/L	
TCO <sub>2</sub> (Bicarbonate)	19	12 - 22 mmol/L	
Anion Gap	17	12 - 25 mmol/L	
Total Protein	7.3	6.3 - 8.8 g/dL	
<b>Albumin</b>	<sup>b</sup> <b>1.8</b>	<b>2.6 - 3.9 g/dL</b>	L
Globulin	5.5	3.0 - 5.9 g/dL	
<b>Albumin: Globulin Ratio</b>	<b>0.3</b>	<b>0.5 - 1.2</b>	L
<b>ALT</b>	<b>16</b>	<b>27 - 158 U/L</b>	L
AST	16	16 - 67 U/L	
ALP	17	12 - 59 U/L	
GGT	<1	0 - 6 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 - 0.2 mg/dL	
Cholesterol	175	91 - 305 mg/dL	
Creatine Kinase	115	64 - 440 U/L	
Hemolysis Index	<sup>c</sup> 1+		
Lipemia Index	<sup>d</sup> N		

## Chemistry (continued)

TEST	RESULT	REFERENCE VALUE
Spec fPL	2.5	0.0 - 3.5 µg/L
Urine Protein: Creatinine Ratio If Indicated	A urine protein: creatinine ratio (UPC) has been ordered as indicated by a positive urine protein with an inactive urine sediment.	
Urine Creatinine	74.5	mg/dL
Urine Protein <sup>e</sup>	1,290.0	mg/dL
Urine Protein: Creatinine Ratio	17.3	
Color <sup>f</sup>	Yellow	

<sup>a</sup> SDMA is within the reference interval and creatinine is increased: can be due to artifact (hemolysis), fluctuations around the upper reference interval in well managed and stable kidney disease, post-prandial effects, or heavily muscled animals. Results will likely align with trended testing. Recommended next step: evaluation of other renal function tests and complete urinalysis.

<sup>b</sup> RESULT VERIFIED BY REPEAT ANALYSIS

<sup>c</sup> Index of N, 1+, 2+ exhibits no significant effect on chemistry values.

<sup>d</sup> Index of N, 1+, 2+ exhibits no significant effect on chemistry values.

<sup>e</sup> RESULT VERIFIED BY REPEAT ANALYSIS

<sup>f</sup> Renal proteinuria:  
 UPC < 0.2 non-proteinuric  
 UPC 0.2-0.4 borderline proteinuric  
 UPC > 0.4 proteinuric  
 The urine protein:creatinine ratio (UPC) should be interpreted along with a concurrent urinalysis. Pre-renal and post-renal proteinuria need to be ruled-out prior to evaluating renal proteinuria. Renal proteinuria requires proof of persistence by repeating UPC on at least three urine samples collected over a period of at least 2 weeks.

Additional interpretive guidelines and management recommendations are available in our online directory on [www.vetconnectplus.com](http://www.vetconnectplus.com) or [www.iris-kidney.com](http://www.iris-kidney.com).

## Urinalysis



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TEST	RESULT	REFERENCE VALUE
Collection	CYSTOCENTESIS	
Color	Yellow	
Clarity	CLEAR	

## Urinalysis (continued)

TEST	RESULT	REFERENCE VALUE
Specific Gravity	1.020	
pH	6.0	
Urine Protein	4+	
Glucose	NEGATIVE	
Ketones	NEGATIVE	
Blood / Hemoglobin	TRACE	
Bilirubin	NEGATIVE	
Urobilinogen	NORMAL	
White Blood Cells	0-2	0 - 5 HPF
Red Blood Cells	0-2	HPF
Bacteria	NONE SEEN	
Epithelial Cells	1+ (1-2)/HPF	
Mucus	PRESENT	
Casts	NONE SEEN	
Crystals	NONE SEEN	

## Endocrinology


**5/24/22** (Order Received)

**5/24/22 9:23 PM** (Last Updated)

TEST	RESULT	REFERENCE VALUE
Total T4	<sup>a</sup> 1.7	0.8 - 4.7 µg/dL

<sup>a</sup> Cats with no clinical signs of hyperthyroidism and a T4 within the reference interval are likely euthyroid. Cats with concurrent illnesses may need further assessment. For cats being treated for hyperthyroidism with controlled clinical signs, this result suggests adequate therapeutic response.

**Serology****5/24/22** (Order Received)**5/24/22 9:23 PM** (Last Updated)

TEST	RESULT
FeLV Antigen (ELISA)	NEGATIVE
FIV Antibody (ELISA)	NEGATIVE
Heartworm Antigen	<sup>a</sup> NEGATIVE

<sup>a</sup> The heartworm antigen ELISA test detects an antigen found primarily in the reproductive tract of the adult female worm. False negative results can be seen in infections consisting of a single male heartworm or with immature larval stages. If the heartworm antigen by ELISA test is negative in a cat with signs consistent with Heartworm Associated Respiratory Disease (HARD), the Heartworm Antibody by ELISA (test code 1238) is recommended.

**Other****5/24/22** (Order Received)**5/24/22 9:23 PM** (Last Updated)

TEST	RESULT
More Information Needed	A fecal specimen was not received. The remainder of requested testing has been performed. Thank you.