



PET OWNER: **CHAN**  
 SPECIES: Feline  
 BREED:  
 GENDER: Female  
 AGE: 10 Years  
 PATIENT ID: 26459

**DOWNTOWN VETERINARY ASSOCIATES**  
 282 FIRST STREET  
 JERSEY CITY, NJ 07302  
 201-420-7387  
 ACCOUNT #: 13593  
 ATTENDING VET: Scaffa, DVM, Dominic (59)

LAB ID: 1804875658  
 ORDER ID: 146943687  
 COLLECTION DATE: **1/12/21**  
 DATE OF RECEIPT: **1/13/21**  
 DATE OF RESULT: **1/13/21**

## IDEXX Services: Young Preanesthetic with Fructosamine and Urinalysis

### Hematology



**1/13/21** (Order Received)  
**1/13/21 5:07 PM** (Last Updated)

**12/3/20**

**11/4/20**

TEST	RESULT	REFERENCE VALUE			
RBC	8.93	7.12 - 11.46 M/ $\mu$ L		8.90	8.77
Hematocrit	44.8	28.2 - 52.7 %		42.1	41.5
Hemoglobin	14.9	10.3 - 16.2 g/dL		14.2	13.5
MCV	50	39 - 56 fL		47	47
<b>MCH</b>	<b>16.7</b>	<b>12.6 - 16.5 pg</b>		16.0	15.4
MCHC	33.3	28.5 - 37.8 g/dL		33.7	32.5
% Reticulocyte	0.3	%		0.3	0.3
Reticulocytes	27	3 - 50 K/ $\mu$ L		27	26
Reticulocyte Hemoglobin	18.6	13.2 - 20.8 pg		17.9	17.8
WBC	6.0	3.9 - 19.0 K/ $\mu$ L		7.4	5.9
% Neutrophils	46.6	%		50.2	55.7
% Lymphocytes	43.4	%		41.8	32.2
% Monocytes	2.3	%		0.8	2.7
% Eosinophils	7.5	%		6.9	9.4
% Basophils	0.2	%		0.3	0.0
Neutrophils	2.796	2.62 - 15.17 K/ $\mu$ L		3.715	3.286
Lymphocytes	2.604	0.85 - 5.85 K/ $\mu$ L		3.093	1.9
Monocytes	0.138	0.04 - 0.53 K/ $\mu$ L		0.059	0.159
Eosinophils	0.45	0.09 - 2.18 K/ $\mu$ L		0.511	0.555
Basophils <sup>a</sup>	0.012	0 - 0.1 K/ $\mu$ L		0.022	0
Platelets	388	155 - 641 K/ $\mu$ L		349	416

<sup>a</sup> AUTOMATED CBC

## Chemistry



**1/13/21** (Order Received)  
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**12/3/20**

**11/4/20**

TEST	RESULT	REFERENCE VALUE			
Glucose	108	72 - 175 mg/dL		121	118
IDEXX SDMA	<sup>a</sup> 11	0 - 14 µg/dL		<b>16</b>	9
<b>Creatinine</b>	<b>2.4</b>	<b>0.9 - 2.3 mg/dL</b>	<sup>H</sup>	2.1	1.6
BUN	34	16 - 37 mg/dL		34	25
Total Protein	8.1	6.3 - 8.8 g/dL		7.6	7.6
ALT	37	27 - 158 U/L		32	32
ALP	26	12 - 59 U/L		37	39
Hemolysis Index	<sup>b</sup> 1+			N	N
Lipemia Index	<sup>c</sup> N			N	N

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

## Urinalysis



**1/13/21** (Order Received)  
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TEST	RESULT	REFERENCE VALUE		
Collection	CYSTOCENTESIS		CYSTOCE...	CYSTOCE...
Color	YELLOW		YELLOW	STRAW
Clarity	CLEAR		CLEAR	CLEAR
Specific Gravity	1.013		1.022	1.038
pH	7.0		7.0	6.0
Urine Protein	NEGATIVE		NEGATIVE	TRACE
Glucose	NEGATIVE		NEGATIVE	TRACE (10...

## Urinalysis (continued)

TEST	RESULT	REFERENCE VALUE		
Ketones	NEGATIVE		NEGATIVE	NEGATIVE
Blood / Hemoglobin	NEGATIVE		NEGATIVE	NEGATIVE
Bilirubin	NEGATIVE		NEGATIVE	NEGATIVE
Urobilinogen	NORMAL		NORMAL	NORMAL
White Blood Cells	0-2	0 - 5 HPF	0-2	0-2
Red Blood Cells	0-2	HPF	0-2	0-2
Bacteria	NONE SEEN		NONE SEEN	NONE SEEN
Epithelial Cells	RARE (0-1)		1+ (1-2)/HPF	1+ (1-2)/HPF
Mucus	NONE SEEN		NONE SEEN	NONE SEEN
Casts	NONE SEEN		NONE SEEN	NONE SEEN
Crystals	NONE SEEN		NONE SEEN	NONE SEEN

## Endocrinology



**1/13/21** (Order Received)  
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TEST	RESULT	REFERENCE VALUE	
Fructosamine	<sup>a</sup> 316	191 - 349 µmol/L	
Hemolysis Index	1+		

a Fructosamine concentration is a marker of mean blood glucose concentrations during the preceding 2 to 3 weeks. The higher the average blood glucose concentration is over this time, the higher the fructosamine concentration. Cats with transient stress hyperglycemia typically have a fructosamine concentration within the reference interval. The chart below can be used to help determine glycemic control in diabetic patients already receiving therapy. Results should be interpreted in conjunction with clinical signs and other laboratory results. For cats with inadequate control, consider a serial blood glucose curve, causes of insulin resistance and possibility of Somogyi phenomenon before increasing the insulin dose. Results for fructosamine may be increased up to 150% by the presence of hemolysis.

Fructosamine concentration mol/L	Glycemic control in diabetic patients receiving therapy
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12/3/20



11/4/20

358

446

N

N



## Endocrinology (continued)

300 to 400	GOOD
400 to 450	FAIR
>450	POOR
<300	Possibilities include: * The cat has reverted to a non-insulin-dependent state ("remission") * Good control * Prolonged hypoglycemia