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Finalized Report

Owner: Karolin Klink

Accession Number: **033392-16**

Wellness Ctr For Pets - (16325)
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Sampled: 03/08/2016
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Reference Number: Karolin Klink

Clinical Pathology

607-253-3255

Hematology

1 **Lilly** - Canine Mixed Dog Spayed

Test Name	Result	Reference Interval	Units
Blood, Whole, EDTA			
Hematocrit	44	41 - 58	%
Hemoglobin	16.8	14.1 - 20.1	g/dL
RBC	7.1	5.7 - 8.5	mill/uL
MCV	62 (L)	64 - 76	fL
MCH	24	21 - 26	pg
MCHC	38 (H)	33 - 36	g/dL
RDW	11.3	10.6 - 14.3	%
Nucleated Red Blood Cells	0	0 - 1	/100 WBC
WBC	5.3 (L)	5.7 - 14.2	thou/uL
Segmented Neutrophils	3.5	2.7 - 9.4	thou/uL
Band Neutrophils	0.0	0.0 - 0.1	thou/uL
Lymphocytes	1.4	0.9 - 4.7	thou/uL
Monocytes	0.2	0.1 - 1.3	thou/uL
Eosinophils	0.2	0.1 - 2.1	thou/uL
Basophils	0.0	0.0 - 0.1	thou/uL
Platelet Count	211	186 - 545	thou/uL
MPV	8.8	8.4 - 14.1	fL
Platelet Smear Estimation	Adequate		
TP-Ref	6.8	5.9 - 7.8	g/dL
Plasma Appearance	Normal		
WBC Exam	No significant abnormalities		
RBC Morphology	No significant abnormalities		
Parasites	None seen		

Hematology Comments

The alterations in the red blood cell indices (typically, low MCV and/or high MCHC) can be attributed to the low sample volume (too much EDTA). The most accurate RBC result is the hemoglobin.

Chemistry

1 Lilly - Canine Mixed Dog Spayed

Test Name	Result	Reference Interval	Units
Blood, Whole, Clotted			
Sodium	145	145 - 153	mEq/L
Potassium	4.4	4.1 - 5.6	mEq/L
Chloride	101 (L)	105 - 116	mEq/L
Bicarbonate	25	15 - 25	mEq/L
Anion Gap	23	17 - 27	mEq/L
Na/K Ratio	33		
Urea Nitrogen	49 (H)	10 - 32	mg/dL
Creatinine	1.2	0.6 - 1.4	mg/dL
Calcium	10.0	9.3 - 11.4	mg/dL
Phosphate	4.9	2.9 - 5.2	mg/dL
Magnesium	1.7	1.4 - 2.2	mEq/L
Total Protein	6.3	5.3 - 7.0	g/dL
Albumin	3.9	3.1 - 4.2	g/dL
Globulin	2.4	1.9 - 3.6	g/dL
A/G Ratio	1.6	0.9 - 2.1	
Glucose	83	63 - 118	mg/dL
ALT	697 (H)	20 - 98	U/L
AST	404 (H)	14 - 51	U/L
Alkaline Phosphatase	83	17 - 111	U/L
GGT	17 (H)	0 - 6	U/L
Total Bilirubin	0.5 (H)	0.0 - 0.2	mg/dL
Direct Bilirubin	0.4 (H)	0.0 - 0.1	mg/dL
Indirect Bilirubin	0.1	0.0 - 0.2	mg/dL
Amylase	432	377 - 1220	U/L
Cholesterol	407 (H)	138 - 332	mg/dL
Creatine Kinase	107	48 - 261	U/L
Iron	146	78 - 214	ug/dL
TIBC	365	270 - 496	ug/dL
FE saturation	40	23 - 61	%
Lipemia	9	See Comment	

Lipemia is an approximate measure of the degree of turbidity in the sample as follows: <30 = no turbidity, 30-60 = slight turbidity, 61-120 = moderate turbidity, >120 = marked turbidity. This value correlates weakly to triglyceride (lipid) concentrations.

Hemolysis 43 See Comment

Hemolysis is an approximate measure of the hemoglobin concentration in mg/dL. This value correlates to visual estimates of hemolysis as follows: <20 = no hemolysis, 20-100 = mild hemolysis, 101-300 = moderate hemolysis, >300 = marked hemolysis.

Icterus 1 See Comment

Icterus is an approximate measure of the total bilirubin concentration in mg/dL. This value will be increased by non-bilirubin chromogens (e.g. carotenoids).