

Clinical Pathology Records - Specimen Report  
KANSAS CITY ZOOLOGICAL PARK

LOXODONTA AFRICANA (no subsp)  
African elephant  
Name: LOIS

Sex: Female  
Age: 29Y Est.

Acc. #: 1670  
Birth: 17.Sep.1978

Collection Information >>

Health Status: Abnormal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2948 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 11.Oct.2005  
Time of Collection: 9:00.0  
Collected by:  
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA  
Storage: Refrigerated (<48 hours)  
Sample Quality: No quality problems.

Laboratory: ANTECH  
Date of Analysis: 12.Oct.2005  
Time of Analysis:  
Analysis by:  
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	>	13.2		*10 <sup>3</sup> /UL
RED BLOOD CELL COUNT		3.2		*10 <sup>6</sup> /UL
HEMOGLOBIN		13.3		GM/DL
HEMATOCRIT		38		%
MCV		119		fL
MCH		41.6		uug
MCHC		35.0		gm/dL
SEGMENTED NEUTROPHILS	>	49	(6.468)	% (*10 <sup>3</sup> /UL)
LYMPHOCYTES		45	(5.940)	% (*10 <sup>3</sup> /UL)
MONOCYTES		5	(0.660)	% (*10 <sup>3</sup> /UL)
EOSINOPHILS		1	(0.132)	% (*10 <sup>3</sup> /UL)
BASOPHILS		0		% (*10 <sup>3</sup> /UL)
ESTIMATED PLATELET COUNT		ADEQ		
PLATELET COUNT		279		*10 <sup>3</sup> /UL
ABSOLUTE BASOPHILS		0		/UL
ABSOLUTE EOSINOPHILS		132		\UL
ABSOLUTE LYMPHOCYTES		5940		/UL
ABSOLUTE MONOCYTES		660		/UL
ABSOLUTE SEGS		6468		/UL
FIBRINOGEN		300		MG/DL
MEAN CORPUSCULAR HEMOGLOBIN		42.4		UUG
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION		35		%
MEAN CORPUSCULAR VOLUME		119		U(3)

Comments >>

RBC Morph: Normal

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Health Status: Abnormal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2948 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 11.Oct.2005  
Time of Collection: 9:00.0  
Collected by:  
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum  
Storage: Refrigerated (<48 hours)  
Sample Quality: No quality problems.

Laboratory: ANTECH  
Date of Analysis: 12.Oct.2005  
Time of Analysis:  
Analysis by:  
Automated analysis.

Tests and Results >>

GLUCOSE	>	108	MG/DL
BLOOD UREA NITROGEN		7	MG/DL
CREATININE		1.2	MG/DL
BUN/creatinine ratio		5.83	
CALCIUM		11.2	MG/DL
PHOSPHORUS		4.7	MG/DL
calcium/phosphorus ratio		2.38	
SODIUM		133	MEQ/L
POTASSIUM		4.5	MEQ/L
sodium/potassium ratio		29.6	
CHLORIDE		90	MEQ/L
CHOLESTEROL		66	MG/DL
TOTAL PROTEIN (COLORIMETRY)		8.0	GM/DL
ALBUMIN (COLORIMETRY)	<	3.0	GM/DL
GLOBULIN (COLORIMETRY)	>	5.0	GM/DL
albumin/globulin ratio		0.600	
ASPARTATE AMINOTRANSFERASE	<	9	IU/L
TOTAL BILIRUBIN		0.2	MG/DL
ALKALINE PHOSPHATASE		103	IU/L
LACTATE DEHYDROGENASE	<	270	IU/L
CREATINE PHOSPHOKINASE		170	IU/L
ALBUMIN GLOBULIN RATIO		0.6	GM/DL
BUN/CREATININE RATIO		6	MG/DL
GAMMA GLUTAMYLTRANSFERASE		9	IU/L
SODIUM/POTASSIUM RATIO		30	RATIO

Comments >>

Globulin just above normal but rest essentially normal - mild increase in fibrinogen. WKS.

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Acc. #: 1670  
Birth: 17.Sep.1978

Collection Information >>

Health Status: Normal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2948 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 18.Oct.2005  
Time of Collection:  
Collected by:  
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant:  
Storage: Refrigerated (<48 hours)  
Sample Quality: No quality problems.

Laboratory: ANTECH  
Date of Analysis: 19.Oct.2005  
Time of Analysis:  
Analysis by:  
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	6.2		*10 <sup>3</sup> /UL
RED BLOOD CELL COUNT		3.0		*10 <sup>6</sup> /UL
HEMOGLOBIN		12.6		GM/DL
HEMATOCRIT		37		%
MCV		123		fL
MCH		42.0		uug
MCHC		34.1		gm/dL
SEGMENTED NEUTROPHILS		25	(1.550)	% (*10 <sup>3</sup> /UL)
LYMPHOCYTES		68	(4.216)	% (*10 <sup>3</sup> /UL)
MONOCYTES		6	(0.372)	% (*10 <sup>3</sup> /UL)
EOSINOPHILS		1	(0.062)	% (*10 <sup>3</sup> /UL)
BASOPHILS		0		% (*10 <sup>3</sup> /UL)
ESTIMATED PLATELET COUNT		INCRS		
ABSOLUTE BASOPHILS		0		/UL
ABSOLUTE EOSINOPHILS		62		\UL
ABSOLUTE LYMPHOCYTES		4216		/UL
ABSOLUTE MONOCYTES		372		/UL
ABSOLUTE SEGS		1550		/UL
FIBRINOGEN		100		MG/DL
MEAN CORPUSCULAR HEMOGLOBIN		42.1		UUG
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION		34		%
MEAN CORPUSCULAR VOLUME		123		U(3)

Morphology Results >>

HYPOCHROMIA +1

Comments >>

Without serum cannot truly evaluate health state. Relative leukopenia. WKS.