

Clinical Pathology Records - Specimen Report  
KANSAS CITY ZOOLOGICAL PARK

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=====
LOXODONTA AFRICANA (no subsp)      Sex: Female      Acc. #: 102530
African elephant                  Age: 29Y 2M 30D  Birth: 22.May.1978
Name: MEGAN
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Collection Information >>

Health Status: Abnormal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2449 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 12.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: 13.Oct.2005  
Time of Analysis:  
Analysis by:  
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	8.6		*10 <sup>3</sup> /UL
RED BLOOD CELL COUNT	> 3.6		*10 <sup>6</sup> /UL
HEMOGLOBIN	> 15.5		GM/DL
HEMATOCRIT	> 45		%
MCV	125		fL
MCH	43.1		uug
MCHC	34.4		gm/dL
SEGMENTED NEUTROPHILS	40	(3.440)	% (*10 <sup>3</sup> /UL)
LYMPHOCYTES	52	(4.472)	% (*10 <sup>3</sup> /UL)
MONOCYTES	5	(0.430)	% (*10 <sup>3</sup> /UL)
EOSINOPHILS	3	(0.258)	% (*10 <sup>3</sup> /UL)
BASOPHILS	0		% (*10 <sup>3</sup> /UL)
ESTIMATED PLATELET COUNT	ADEQ		
PLATELET COUNT	305		*10 <sup>3</sup> /UL
ABSOLUTE BASOPHILS	0		/UL
ABSOLUTE EOSINOPHILS	258		\UL
ABSOLUTE LYMPHOCYTES	4472		/UL
ABSOLUTE MONOCYTES	430		/UL
ABSOLUTE SEGS	3440		/UL
FIBRINOGEN	200		MG/DL
MEAN CORPUSCULAR HEMOGLOBIN	42.7		UUG
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	34		%
MEAN CORPUSCULAR VOLUME	125		U(3)

Morphology Results >>

HYPOCHROMIA +1

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KANSAS CITY ZOOLOGICAL PARK

LOXODONTA AFRICANA (no subsp)  
African elephant  
Name: MEGAN

Sex: Female Acc. #: 102530  
Age: 29Y 2M 30D Birth: 22.May.1978

Collection Information >>

Health Status: Abnormal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2449 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 12.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: 13.Oct.2005  
Time of Analysis:  
Analysis by:  
Automated analysis.

Tests and Results >>

GLUCOSE	78	MG/DL
BLOOD UREA NITROGEN	7	MG/DL
CREATININE	< 0.9	MG/DL
BUN/creatinine ratio	7.78	
CALCIUM	11.1	MG/DL
PHOSPHORUS	< 4.0	MG/DL
calcium/phosphorus ratio	2.78	
SODIUM	130	MEQ/L
POTASSIUM	4.5	MEQ/L
sodium/potassium ratio	28.9	
CHLORIDE	88	MEQ/L
CHOLESTEROL	83	MG/DL
TOTAL PROTEIN (COLORIMETRY)	> 8.6	GM/DL
ALBUMIN (COLORIMETRY)	< 3.1	GM/DL
GLOBULIN (COLORIMETRY)	>> 5.5	GM/DL
albumin/globulin ratio	0.564	
ASPARTATE AMINOTRANSFERASE	16	IU/L
TOTAL BILIRUBIN	0.1	MG/DL
ALKALINE PHOSPHATASE	< 62	IU/L
LACTATE DEHYDROGENASE	< 371	IU/L
CREATINE PHOSPHOKINASE	> 509	IU/L
ALBUMIN GLOBULIN RATIO	0.6	GM/DL
BUN/CREATININE RATIO	8	MG/DL
GAMMA GLUTAMYLTRANSFERASE	7	IU/L
SODIUM/POTASSIUM RATIO	29	RATIO

Comments >>

Slight increase in globulins secondary to ongoing inflammation. LDH values are likely truly normal. Hypercholesterolemia secondary to diet. WKS.

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KANSAS CITY ZOOLOGICAL PARK

LOXODONTA AFRICANA (no subsp)  
African elephant  
Name: MEGAN

Sex: Female                      Acc. #: 102530  
Age: 29Y 2M 30D                Birth: 22.May.1978

Collection Information >>

Health Status: Normal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2449 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 26.Oct.2005  
Time of Collection: ;  
Collected by: SM  
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: ANTECH  
Date of Analysis: 28.Oct.2005  
Time of Analysis: 6:17  
Analysis by:  
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	9.1		*10 <sup>3</sup> /UL
RED BLOOD CELL COUNT	3.3		*10 <sup>6</sup> /UL
HEMOGLOBIN	13.8		GM/DL
HEMATOCRIT	41		%
MCV	124		fL
MCH	41.8		ug
MCHC	33.7		gm/dL
SEGMENTED NEUTROPHILS	39	(3.549)	% (*10 <sup>3</sup> /UL)
LYMPHOCYTES	52	(4.732)	% (*10 <sup>3</sup> /UL)
MONOCYTES	9	(0.819)	% (*10 <sup>3</sup> /UL)
EOSINOPHILS	0		% (*10 <sup>3</sup> /UL)
BASOPHILS	0		% (*10 <sup>3</sup> /UL)
ESTIMATED PLATELET COUNT	ADEQU		
PLATELET COUNT	346		*10 <sup>3</sup> /UL
ABSOLUTE BASOPHILS	0		/UL
ABSOLUTE EOSINOPHILS	0		\UL
ABSOLUTE LYMPHOCYTES	4732		/UL
ABSOLUTE MONOCYTES	819		/UL
ABSOLUTE SEGS	3549		/UL
FIBRINOGEN	100		MG/DL
MEAN CORPUSCULAR HEMOGLOBIN	42.4		UUG
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	34		%
MEAN CORPUSCULAR VOLUME	124		U(3)

Comments >>

RBC morph: normal

Clinical Pathology Records - Specimen Report  
KANSAS CITY ZOOLOGICAL PARK

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=====
LOXODONTA AFRICANA (no subsp)           Sex: Female           Acc. #: 102530
African elephant                       Age: 29Y 2M 30D      Birth: 22.May.1978
Name: MEGAN
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Collection Information >>

Health Status: Normal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2449 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 26.Oct.2005  
Time of Collection: :  
Collected by: SM  
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: 28.Oct.2005  
Time of Analysis: 6:17  
Analysis by:  
Automated analysis.

Tests and Results >>

	GLUCOSE	83	MG/DL
	BLOOD UREA NITROGEN	< 6	MG/DL
	CREATININE	1.2	MG/DL
	BUN/creatinine ratio	5.00	
	CALCIUM	11.3	MG/DL
	PHOSPHORUS	4.1	MG/DL
	calcium/phosphorus ratio	2.76	
	SODIUM	129	MEQ/L
	POTASSIUM	4.4	MEQ/L
	sodium/potassium ratio	29.3	
	CHLORIDE	85	MEQ/L
	CHOLESTEROL	> 92	MG/DL
	TOTAL PROTEIN (COLORIMETRY)	8.0	GM/DL
	ALBUMIN (COLORIMETRY)	< 2.9	GM/DL
	GLOBULIN (COLORIMETRY)	> 5.1	GM/DL
	albumin/globulin ratio	0.569	
	ASPARTATE AMINOTRANSFERASE	18	IU/L
	TOTAL BILIRUBIN	0.1	MG/DL
	ALKALINE PHOSPHATASE	72	IU/L
	LACTATE DEHYDROGENASE	< 341	IU/L
	CREATINE PHOSPHOKINASE	328	IU/L
	ALBUMIN GLOBULIN RATIO	0.6	GM/DL
	BUN/CREATININE RATIO	5	MG/DL
	GAMMA GLUTAMYLTRANSFERASE	8	IU/L
	SODIUM/POTASSIUM RATIO	29	RATIO

Comments >>

Mild increase in cholesterol secondary to diet. Slight increase in monocytes compared to last sample but overall good. WKS.

Kansas City Zoo  
 Swope Park  
 Kansas City, MO 64132  
 Tel: 816-513-5700  
 Fax: 816-513-4667

Client # 97779  
 Chart # 102530

Accession No. <b>CHBC01214932</b>	Doctor <b>SUEDMEYER</b>	Owner <b>ELEPHANT</b>	Pet Name <b>MEGAN</b>	Received 10/13/2005
Species Mammal	Breed	Sex F	Pet Age 27Y	Reported 10/13/2005 06:07 AM

Test Requested	Results	Reference Range	Units
<b>VET SCREEN (EQUINE)</b>			
AST (SGOT)	16 (LOW) ✓	70-130	IU/L
Total Bilirubin	0.1 ✓	0.1-0.3	mg/dL
Alkaline Phosphatase	62 ↓	60-150	IU/L
GGT	7 ✓		IU/L
Total Protein	8.6 ↑	8.0-9.2	g/dL
Albumin	3.1 ✓	2.3-3.5	g/dL
Globulin	5.5 ↑		g/dL
A/G Ratio	0.6 ✓		
Cholesterol	83 (HIGH) ↑	41-61	mg/dL
BUN	7 ✓	1-12	mg/dL
Creatinine	0.9 (LOW) ✓	1.3-1.8	mg/dL
BUN/Creatinine Ratio	8 ✓		
Phosphorus	4.0 ✓	3.6-4.8	mg/dL
Calcium	11.1 (HIGH) ✓	10.0-11.0	mg/dL
Glucose	78 ✓	78-200	mg/dL
Sodium	130 ✓	129-136	mEq/L
Potassium	4.5 ✓	4.2-5.5	mEq/L
Na/K Ratio	29 ✓		
Chloride	88 ✓	85-99	mEq/L
CPK	509 ✓		IU/L
LDH	371 ↓	170-420	IU/L
<b>COMPLETE BLOOD COUNT</b>			
WBC	8.6	8.0-15.0	10 <sup>3</sup> /μL
RBC	3.6	2.0-4.0	10 <sup>6</sup> /μL
HGB	15.5 (HIGH)	10-13	g/dL
HCT	45 (HIGH)	34-44	%
MCV		130-170	fL
MCV 125			
MCH	42.7	42.0-52.0	pg
MCHC	34	32-36	%
Comment	HYPOCHROMASIA +1		
Differential	Absolute	%	
Neutrophils	3440 ✓	40	/μL
Lymphocytes	4472 ✓	52	/μL
Monocytes	430 ✓	5	/μL
Eosinophils	258 ✓	3	/μL

*slight ↑ - globulins  
 20% to 40% is not abnormal  
 but values are likely  
 truly normal. Hypochromia  
 20% to 5%*

Accession No.  
CHBC01214932

Doctor  
SUEDMEYER

Owner  
ELEPHANT

Pet Name  
MEGAN

Test Requested	Results	Reference Range	Units
Basophils	0	0	/ $\mu$ L
Platelet Estimate	Adequate		
Platelet Count	305		$10^3$ / $\mu$ L
<b>FIBRINOGEN (SEMI-QUANTITATIVE)</b>			
Fibrinogen, Semi-Quantitative	200		mg/dl

*ERP*

Kansas City Zoo  
Swope Park  
Kansas City, MO 64132  
Tel: 816-513-5700  
Fax: 816-513-4667

Client # 97779  
Chart # N  
*107530*

Accession No. KCBC00531004	Doctor SUEDMEYER	Owner ELEPHANT	Pet Name MEGAN	Received 10/27/2005
Species Other	Breed	Sex	Pet Age	Reported 10/28/2005 06:17 AM

Test Requested	Results	Reference Range	Units
<b>VET SCREEN (EQUINE)</b>			
AST (SGOT)	18		IU/L
Total Bilirubin	0.1		mg/dL
Alkaline Phosphatase	72		IU/L
GGT	8		IU/L
Total Protein	8.0		g/dL
Albumin	2.9		g/dL
Globulin	5.1		g/dL
A/G Ratio	0.6		
Cholesterol	92		mg/dL
BUN	6		mg/dL
Creatinine	1.2		mg/dL
BUN/Creatinine Ratio	5		
Phosphorus	4.1		mg/dL
Calcium	11.3		mg/dL
Glucose	83		mg/dL
Sodium	129		mEq/L
Potassium	4.4		mEq/L
Na/K Ratio	29		
Chloride	85		mEq/L
CPK	328		IU/L
LDH	341		IU/L
<b>COMPLETE BLOOD COUNT</b>			
WBC	9.1		10 <sup>3</sup> /μL
RBC	3.3		10 <sup>6</sup> /μL
HGB	13.8		g/dL
HCT	41		%
MCV			fL
124 MCV			
MCH	42.4		pg
MCHC	34		%
Comment			
RBC MORPHOLCGY	NORMAL		
<b>Differential</b>			
	<b>Absolute</b>	<b>%</b>	
Neutrophils	3549	39	/μL
Lymphocytes	4732	52	/μL
Monocytes	819	9	/μL

*Widely - chest 120 to  
diet - sick + 2 in hands  
comp to last year  
bottom 1500*

Accession No.  
KCBC00531004

Doctor  
SUEDEMEYER

Owner  
ELEPHANT

Pet Name  
MEGAN

Test Requested	Results	Reference Range	Units
Eosinophils	0	0	/ $\mu$ L
Basophils	0	0	/ $\mu$ L
Platelet Estimate	Adequate		
Platelet Count	346		$10^3$ / $\mu$ L
<b>FIBRINOGEN (SEMI-QUANTITATIVE)</b>			
Fibrinogen, Semi-Quantitative	100		mg/dl

Clinical Pathology Records - Specimen Report  
KANSAS CITY ZOOLOGICAL PARK

LOXODONTA AFRICANA (no subsp)  
African elephant  
Name: MEGAN

Sex: Female Acc. #: 102530  
Age: 29Y 1M 27D Birth: 22.May.1978

Collection Information >>

Health Status: Abnormal  
Fasting Time: < 8 hours  
Activity: Active  
Weight: 2449 Kg on 28.May.1997  
Manual restraint used.

Date of Collection: 19.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	8.6		*10 <sup>3</sup> /UL
RED BLOOD CELL COUNT	3.0		*10 <sup>6</sup> /UL
HEMOGLOBIN	13.1		GM/DL
HEMATOCRIT	38		%
MCV	127		fL
MCH	43.7		uug
MCHC	34.5		gm/dL
SEGMENTED NEUTROPHILS	28	(2.408)	% (*10 <sup>3</sup> /UL)
LYMPHOCYTES	53	(4.558)	% (*10 <sup>3</sup> /UL)
MONOCYTES	17	(1.462)	% (*10 <sup>3</sup> /UL)
EOSINOPHILS	2	(0.172)	% (*10 <sup>3</sup> /UL)
BASOPHILS	0		% (*10 <sup>3</sup> /UL)
ESTIMATED PLATELET COUNT	INCRS		
ABSOLUTE BASOPHILS	0		/UL
ABSOLUTE EOSINOPHILS	172		\UL
ABSOLUTE LYMPHOCYTES	4558		/UL
ABSOLUTE MONOCYTES	1462		/UL
ABSOLUTE SEGS	2408		/UL
FIBRINOGEN	100		MG/DL
MEAN CORPUSCULAR HEMOGLOBIN	43.4		UUG
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	34		%
MEAN CORPUSCULAR VOLUME	127		U(3)

Comments >>

RBC Morph: Normal

WNL per WKS.

Kansas City Zoo  
 Swope Park  
 Kansas City, MO 64132  
 Tel: 816-513-5700  
 Fax: 816-513-4667

Client # 97779  
 Chart # 102530

Accession No. <b>CHBC01355449</b>	Doctor <b>SUEDMEYER</b>	Owner <b>ELEPHANT</b>	Pet Name <b>MEGAN</b>	Received <b>10/19/2005</b>
Species <b>Mammal</b>	Breed	Sex <b>F</b>	Pet Age	Reported <b>10/20/2005 05:15 AM</b>

Test Requested	Results	Reference Range	Units
<b>COMPLETE BLOOD COUNT</b>			
WBC	8.6	8.0-15.0	10 <sup>3</sup> /μL
RBC	3.0	2.0-4.0	10 <sup>6</sup> /μL
HGB	13.1 (HIGH)	10-13	g/dL
HCT	38	34-44	%
MCV		130-170	fL
MCV 127			
MCH	43.4	42.0-52.0	pg
MCHC	34	32-36	%
Comment			
RBC MORPHOLOGY	NORMAL		

Differential	Absolute	%	
Neutrophils	2408	28	/μL
Lymphocytes	4558	53	/μL
Monocytes	1462	17	/μL
****Results have been rechecked and verified.****			
Eosinophils	172	2	/μL
Basophils	0	0	/μL

**Platelet Estimate**

Platelets appear increased and are above 600,000/μL. If it is clinically necessary to obtain an accurate count, please call Client Services to add on a platelet count. Submitting a fresh sample would be most accurate.

**FIBRINOGEN (SEMI-QUANTITATIVE)**

Fibrinogen, Semi-Quantitative 100 mg/dl

**REPORT NOTES:**

\*\*\*\*\*  
 Testing which requires serum has been requested on this patient; however, no serum was received. Please submit a serum sample with a new test request form and include this reference number so we may complete the testing. If there are any questions, please contact Customer Service at 1-800-745-4725.  
 \*\*\*\*\*

