

Medical History Report - Summary for Individual Specimen
ST. LOUIS ZOOLOGICAL PARK

ELEPHAS MAXIMUS INDICUS
INDIAN ELEPHANT

Sex: Female
Age: 1M 16D

Acc. #: 105659
Birth: 25.Feb.2007

.....2007....

- 25.Feb Birth.
Clinical note recorded. (REJ)
Weight: 107.1 Kg (236.0 Lb)
- 26.Feb Blood sample:
Blood sample: (EDTA) (: 0.1) Hematology/Chemistry/Serology results.
WBC:12.80 *10³/UL; HCT: 56.9%; BUN:9 MG/DL;
Hemolysis
Blood sample: (EDTA) (: 0.2) Chemistry results.
BUN:9 MG/DL;
Hemolysis; Icterus
Clinical note recorded. (REJ)
- 27.Feb Blood sample: (EDTA) Chemistry results.
BUN:13 MG/DL;
Hemolysis; Icterus
- 28.Feb Clinical note recorded. (REJ)
Weight: 98.91 Kg (218.0 Lb)
- 1.Mar Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:14.30 *10³/UL; HCT: 43.9%; BUN:12 MG/DL;
Icterus
Clinical note recorded. (REJ)
- 2.Mar Clinical note recorded. (REJ)
- 4.Mar Clinical note recorded. (REJ)
Weight: 95.74 Kg (211.0 Lb)
- 5.Mar Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:13.70 *10³/UL; HCT: 48.2%; BUN:10 MG/DL;
Clinical note recorded. (REJ)
- 6.Mar Clinical note recorded. (REJ)
- 7.Mar Clinical note recorded. (REJ)
- 9.Mar Clinical note recorded. (JM)
- 17.Mar Clinical note recorded. (REJ)
Weight: 99.36 Kg (219.0 Lb)
- 19.Mar Clinical note recorded. (PM)
Weight: 103.2 Kg (227.5 Lb)
- 21.Mar Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:15.30 *10³/UL; HCT: 43.3%; BUN:10 MG/DL;
- 22.Mar Clinical note recorded. (REJ)
- 26.Mar
Weight: 105.9 Kg (233.4 Lb)
- 6.Apr Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:13.60 *10³/UL; HCT: 46.0%; BUN:10 MG/DL;
- 9.Apr Clinical note recorded. (REJ)

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Clinical Note:

25.Feb.2007

Female calf born at 8:21 PM. Dame 'Rani" (101145). Weight = 236#. Blood collected for CBC, chem. Navel sprayed wiht nolvasan. Placenta retrieved and umbilicus sent to Georgia State University for cell culture project.8 (REJ)

Clinical Note:

26.Feb.2007

Introduced to cow / calf Ellie and Maliha. Intro remained calm throughout the day, however in the late afternoon the cow became aggitated and directed bahaviors at the calf, resulting in superficial contusions and abrasions. Calf seperated, given 400 mg ceftiofur CFA IM, 200 mg ketoprofen IM, and 4 ml Vitale vitamin E supplementation. Ascultation of thorax normal, ampulating without signs of lameness or injury. STAT chem panel normal (TP = 7.8 g/dl, gluc 70 mg/dl). Offered electrolyte replacer via bottle, calf accepted some and then slept. (REJ)

Clinical Pathology Records - Specimen Report
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Acc. #: 105659
Birth: 25.Feb.2007

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 107.1 Kg on 25.Feb.2007
Manual restraint used.

Date of Collection: 26.Feb.2007
Time of Collection: : 0.1
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA
Storage: Fresh
Sample Quality: hemolysis

Laboratory: ADV. VET LG MAM
Date of Analysis: 26.Feb.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	12.8		*10 ³ /UL
RED BLOOD CELL COUNT >>	4.93		*10 ⁶ /UL
HEMOGLOBIN >>	19.8		GM/DL
HEMATOCRIT >>	56.9		%
MCV	115		fL
MCH	40.2		uug
MCHC	34.8		gm/dL
SEGMENTED NEUTROPHILS	52	(6.656)	% (*10 ³ /UL)
NEUTROPHILIC BANDS >	9	(1.152)	% (*10 ³ /UL)
LYMPHOCYTES <	11	(1.408)	% (*10 ³ /UL)
MONOCYTES	28	(3.584)	% (*10 ³ /UL)
PLATELET COUNT <	366		*10 ³ /UL

Morphology Results >>

ANISOCYTOSIS 1-2, TARGET CELLS 1-2

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Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 107.1 Kg on 25.Feb.2007
Manual restraint used.

Date of Collection: **26.Feb.2007**
Time of Collection: : 0.1
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: hemolysis

Laboratory: **ADV. VET LG MAM**
Date of Analysis: **26.Feb.2007**
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE >>	135	MG/DL
BLOOD UREA NITROGEN	9	MG/DL
PHOSPHORUS	4.5	MG/DL
TOTAL PROTEIN (COLORIMETRY)	8.6	GM/DL
ASPARTATE AMINOTRANSFERASE	15	IU/L
ALANINE AMINOTRANSFERASE	10	IU/L
TOTAL BILIRUBIN >>	2.3	MG/DL
ALKALINE PHOSPHATASE >	228	IU/L
CREATINE PHOSPHOKINASE	116	IU/L
GAMMA GLUTAMYLTRANSFERASE >	13	IU/L

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Acc. #: 105659
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Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 107.1 Kg on 25.Feb.2007
Manual restraint used.

Date of Collection: 26.Feb.2007
Time of Collection: : 0.2
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: hemolysis, icterus

Laboratory: ADV. VET LG MAM
Date of Analysis: 26.Feb.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	>	122	MG/DL
BLOOD UREA NITROGEN		9	MG/DL
CREATININE	>	2.4	MG/DL
BUN/creatinine ratio		3.75	
CALCIUM	<	9.5	MG/DL
PHOSPHORUS	<	3.7	MG/DL
calcium/phosphorus ratio		2.57	
TOTAL PROTEIN (COLORIMETRY)		7.8	GM/DL
ALBUMIN (COLORIMETRY)		3.3	GM/DL
ASPARTATE AMINOTRANSFERASE	>>	79	IU/L
ALANINE AMINOTRANSFERASE	>	17	IU/L
TOTAL BILIRUBIN	>>	2.6	MG/DL
ALKALINE PHOSPHATASE		194	IU/L
CREATINE PHOSPHOKINASE	>>	1109	IU/L
GAMMA GLUTAMYLTRANSFERASE	>	16	IU/L

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Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 107.1 Kg on 25.Feb.2007
Manual restraint used.

Date of Collection: 27.Feb.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: hemolysis, icterus

Laboratory: ADV. VET LG MAM
Date of Analysis: 27.Feb.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

	GLUCOSE	72	MG/DL
	BLOOD UREA NITROGEN	13	MG/DL
	CREATININE >	2.3	MG/DL
	BUN/creatinine ratio	5.65	
	CALCIUM <<	9.0	MG/DL
	PHOSPHORUS	4.7	MG/DL
	calcium/phosphorus ratio	1.91	
	SODIUM >>	144	MEQ/L
	POTASSIUM >	5.2	MEQ/L
	sodium/potassium ratio	27.7	
	CHLORIDE >>	114	MEQ/L
	MAGNESIUM	1.9	MG/DL
	TOTAL PROTEIN (COLORIMETRY) <	7.0	GM/DL
	ALBUMIN (COLORIMETRY)	3.1	GM/DL
	ASPARTATE AMINOTRANSFERASE >>	108	IU/L
	ALANINE AMINOTRANSFERASE >	18	IU/L
	TOTAL BILIRUBIN >>	3.8	MG/DL
	ALKALINE PHOSPHATASE	153	IU/L
	CREATINE PHOSPHOKINASE >>	3007	IU/L
	FIBRINOGEN	200	MG/DL
	GAMMA GLUTAMYLTRANSFERASE >>	21	IU/L

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Clinical Note:

28.Feb.2007

Umbilicus continues to be moist, with some blood present. Keepers instructed to spray with nolvasan BID. Calf weight = 218#. (REJ)

Clinical Note:

1.Mar.2007

Navel sprayed with nolvasan solution, blood collected for CBC, cehm profile. (REJ)

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Age: 1M 16D

Acc. #: 105659
Birth: 25.Feb.2007

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 98.91 Kg on 28.Feb.2007
Manual restraint used.

Date of Collection: 1.Mar.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA
Storage: Fresh
Sample Quality: icterus

Laboratory: ADV. VET LG MAM
Date of Analysis: 1.Mar.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	14.3		*10 ³ /UL
RED BLOOD CELL COUNT	> 3.81		*10 ⁶ /UL
HEMOGLOBIN	15.4		GM/DL
HEMATOCRIT	> 43.9		%
MCV	115		fL
MCH	40.4		uug
MCHC	35.1		gm/dL
SEGMENTED NEUTROPHILS	> 57	(8.151)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	2	(0.286)	% (*10 ³ /UL)
LYMPHOCYTES	16	(2.288)	% (*10 ³ /UL)
MONOCYTES	25	(3.575)	% (*10 ³ /UL)
PLATELET COUNT	< 346		*10 ³ /UL

Morphology Results >>

ANISOCYTOSIS 1-2, TARGET CELLS 2

Clinical Pathology Records - Specimen Report
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ELEPHAS MAXIMUS INDICUS
INDIAN ELEPHANT

Sex: Female
Age: 1M 16D

Acc. #: 105659
Birth: 25.Feb.2007

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 98.91 Kg on 28.Feb.2007
Manual restraint used.

Date of Collection: 1.Mar.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: icterus

Laboratory: ADV. VET LG MAM
Date of Analysis: 1.Mar.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	>	115	MG/DL
BLOOD UREA NITROGEN		12	MG/DL
CREATININE		1.8	MG/DL
BUN/creatinine ratio		6.67	
CALCIUM	<<	9.2	MG/DL
PHOSPHORUS		5.5	MG/DL
calcium/phosphorus ratio		1.67	
SODIUM	>	136	MEQ/L
POTASSIUM		4.4	MEQ/L
sodium/potassium ratio		30.9	
CHLORIDE	>>	103	MEQ/L
MAGNESIUM		1.8	MG/DL
TOTAL PROTEIN (COLORIMETRY)	<	7.2	GM/DL
ALBUMIN (COLORIMETRY)		3.2	GM/DL
ASPARTATE AMINOTRANSFERASE	>>	68	IU/L
ALANINE AMINOTRANSFERASE	>>	28	IU/L
TOTAL BILIRUBIN	>>	1.9	MG/DL
ALKALINE PHOSPHATASE		181	IU/L
CREATINE PHOSPHOKINASE	>>	1781	IU/L
GAMMA GLUTAMYLTRANSFERASE		10	IU/L

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INDIAN ELEPHANT

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Acc. #: 105659
Birth: 25.Feb.2007

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Clinical Note:

2.Mar.2007

Results of bloodwork - chem profile normal, CK down to 1781, TP = 7.2 g/dl, BUN = 12 mg/dl, creat 1.8 mg/dl, WBC 14,000. Serum iron 185 mcg/dl (elephant normal 60 - 150). Given 200 mg ceftiofur CFA IM. Navel still moist, however not dripping. Keepers continue to spray with nolvasan. (REJ)

Clinical Note:

4.Mar.2007

Weight = 211#. (REJ)

Clinical Note:

5.Mar.2007

Blood collected for CBC and chem profile, given 400 mg ceftiofur CFA IM. (REJ)

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ELEPHAS MAXIMUS INDICUS
INDIAN ELEPHANT

Sex: Female
Age: 1M 16D

Acc. #: 105659
Birth: 25.Feb.2007

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 95.74 Kg on 4.Mar.2007
Manual restraint used.

Date of Collection: 5.Mar.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: ADV. VET LG MAM
Date of Analysis: 5.Mar.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	13.7		*10 ³ /UL
RED BLOOD CELL COUNT	> 4.20		*10 ⁶ /UL
HEMOGLOBIN	> 17.2		GM/DL
HEMATOCRIT	> 48.2		%
MCV	115		fL
MCH	41.0		uug
MCHC	35.7		gm/dL
SEGMENTED NEUTROPHILS	31	(4.247)	% (*10 ³ /UL)
LYMPHOCYTES	17	(2.329)	% (*10 ³ /UL)
MONOCYTES	> 51	(6.987)	% (*10 ³ /UL)
EOSINOPHILS	1	(0.137)	% (*10 ³ /UL)
PLATELET COUNT	418		*10 ³ /UL

Morphology Results >>

TARGET CELLS 2

Clinical Pathology Records - Specimen Report
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INDIAN ELEPHANT

Sex: Female
Age: 1M 16D

Acc. #: 105659
Birth: 25.Feb.2007

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 95.74 Kg on 4.Mar.2007
Manual restraint used.

Date of Collection: **5.Mar.2007**
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **ADV. VET LG MAM**
Date of Analysis: **5.Mar.2007**
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE >>	130	MG/DL
BLOOD UREA NITROGEN	10	MG/DL
CREATININE <	1.1	MG/DL
BUN/creatinine ratio	9.09	
CALCIUM	10.5	MG/DL
PHOSPHORUS	6.0	MG/DL
calcium/phosphorus ratio	1.75	
SODIUM	129	MEQ/L
POTASSIUM	4.7	MEQ/L
sodium/potassium ratio	27.4	
CHLORIDE >>	99	MEQ/L
MAGNESIUM	1.9	MG/DL
TOTAL PROTEIN (COLORIMETRY)	8.1	GM/DL
ALBUMIN (COLORIMETRY)	3.4	GM/DL
ASPARTATE AMINOTRANSFERASE	30	IU/L
ALANINE AMINOTRANSFERASE >>	25	IU/L
TOTAL BILIRUBIN >>	1.4	MG/DL
ALKALINE PHOSPHATASE	198	IU/L
CREATINE PHOSPHOKINASE >	428	IU/L
GAMMA GLUTAMYLTRANSFERASE	7	IU/L

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Clinical Note: **6.Mar.2007**
Results of bloodwork - WBC 13,700, PCV = 48.6%, CK = 428 u/l, TP = 8.1 g/dl. (REJ)

Clinical Note: **7.Mar.2007**
Keepers reported stumbling gait last night after an altercation with dam. Suspected to be transient myalgia, appeared resolved today. (REJ)

Clinical Note: **9.Mar.2007**
Placenta PCR negative for EEHV (epitheliotropic elephant herpes virus, Smithsonian, Erin Lattimer). (JM)

Clinical Note: **17.Mar.2007**
Results of bloodwork - WBC = 21,000, PCV 48%, 1% bands, 50% segs, 47% monos, 2% lymphs; fibrinogen 1000 mg/dl, TP = 8.2 g/dl, Ca = 11.3 mg/dl. Weight = 219#, treated with 400 mg ceftiofur CFA IM. (REJ)

Clinical Note: **19.Mar.2007**
Free catch urine- sp. gr. 1.007 urobil.-normal glucose-neg
ketones-neg
bili.-neg protein-neg blood-neg pH-7.0 urine was yellow and
slightly cloudy sediment-amorphous debris 1+ (PM)

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Sex: Female
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Acc. #: 105659
Birth: 25.Feb.2007

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 103.2 Kg on 19.Mar.2007
Manual restraint used.

Date of Collection: 21.Mar.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: ADV. VET LG MAM
Date of Analysis: 21.Mar.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	15.3		*10 ³ /UL
RED BLOOD CELL COUNT	> 3.76		*10 ⁶ /UL
HEMOGLOBIN	14.8		GM/DL
HEMATOCRIT	43.3		%
MCV	115		fL
MCH	39.4		uug
MCHC	34.2		gm/dL
SEGMENTED NEUTROPHILS	20	(3.060)	% (*10 ³ /UL)
LYMPHOCYTES	18	(2.754)	% (*10 ³ /UL)
MONOCYTES	>> 62	(9.486)	% (*10 ³ /UL)
PLATELET COUNT	> 805		*10 ³ /UL

Morphology Results >>

ANISOCYTOSIS 1, TARGET CELLS 1

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Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 103.2 Kg on 19.Mar.2007
Manual restraint used.

Date of Collection: 21.Mar.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: ADV. VET LG MAM
Date of Analysis: 21.Mar.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE >>	144	MG/DL
BLOOD UREA NITROGEN	10	MG/DL
CREATININE	1.4	MG/DL
BUN/creatinine ratio	7.14	
CALCIUM >	11.9	MG/DL
PHOSPHORUS >>	8.3	MG/DL
calcium/phosphorus ratio	1.43	
SODIUM	130	MEQ/L
POTASSIUM >>	6.1	MEQ/L
sodium/potassium ratio	21.3	
CHLORIDE	91	MEQ/L
MAGNESIUM <<	0.9	MG/DL
TOTAL PROTEIN (COLORIMETRY)	8.0	GM/DL
ALBUMIN (COLORIMETRY)	3.1	GM/DL
ASPARTATE AMINOTRANSFERASE	10	IU/L
ALANINE AMINOTRANSFERASE	10	IU/L
TOTAL BILIRUBIN >>	1.0	MG/DL
ALKALINE PHOSPHATASE >>	330	IU/L
CREATINE PHOSPHOKINASE	77	IU/L
FIBRINOGEN >>	1000	MG/DL
GAMMA GLUTAMYLTRANSFERASE	8	IU/L

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Clinical Note:

22.Mar.2007

Results of bloodwork - Fibrinogen 1000 mg/dl, WBC = 15,3000, 20% segs,
18% lymphs, 62% monos, PCV 43.3%. (REJ)

Clinical Pathology Records - Specimen Report
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Sex: Female
Age: 1M 16D

Acc. #: 105659
Birth: 25.Feb.2007

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 105.9 Kg on 26.Mar.2007
Manual restraint used.

Date of Collection: 6.Apr.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: ADV. VET LG MAM
Date of Analysis: 6.Apr.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	13.6		*10 ³ /UL
RED BLOOD CELL COUNT	> 4.11		*10 ⁶ /UL
HEMOGLOBIN	> 15.7		GM/DL
HEMATOCRIT	> 46.0		%
MCV	112		fL
MCH	< 38.2		uug
MCHC	34.1		gm/dL
SEGMENTED NEUTROPHILS	28	(3.808)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	1	(0.136)	% (*10 ³ /UL)
LYMPHOCYTES	< 11	(1.496)	% (*10 ³ /UL)
MONOCYTES	> 58	(7.888)	% (*10 ³ /UL)
EOSINOPHILS	1	(0.136)	% (*10 ³ /UL)
BASOPHILS	1	(0.136)	% (*10 ³ /UL)
PLATELET COUNT	>> 1132		*10 ³ /UL

Morphology Results >>

TARGET CELLS 2+

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Acc. #: 105659
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Collection Information >>

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Fasting Time: < 8 hours
Activity: Calm
Weight: 105.9 Kg on 26.Mar.2007
Manual restraint used.

Date of Collection: 6.Apr.2007
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: ADV. VET LG MAM
Date of Analysis: 6.Apr.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	>	111	MG/DL
BLOOD UREA NITROGEN		10	MG/DL
CREATININE		1.2	MG/DL
BUN/creatinine ratio		8.33	
CALCIUM		10.6	MG/DL
PHOSPHORUS	>	6.6	MG/DL
calcium/phosphorus ratio		1.61	
SODIUM		132	MEQ/L
POTASSIUM	>>	7.7	MEQ/L
sodium/potassium ratio		17.1	
CHLORIDE	>	94	MEQ/L
MAGNESIUM		2.3	MG/DL
TOTAL PROTEIN (COLORIMETRY)		8.7	GM/DL
ALBUMIN (COLORIMETRY)		3.1	GM/DL
ASPARTATE AMINOTRANSFERASE		16	IU/L
ALANINE AMINOTRANSFERASE		10	IU/L
TOTAL BILIRUBIN	>>	1.4	MG/DL
ALKALINE PHOSPHATASE	>>	372	IU/L
CREATINE PHOSPHOKINASE		277	IU/L
FIBRINOGEN		600	MG/DL
GAMMA GLUTAMYLTRANSFERASE	>>	21	IU/L

ELEPHAS MAXIMUS INDICUS
INDIAN ELEPHANT

Sex: Female
Age: 1M 16D

Acc. #: 105659
Birth: 25.Feb.2007

Clinical Note:

9.Apr.2007

Results of bloodwork - fibrinogen 600 mg/dl; WBC 13,6000. (REJ)

Clinical Pathology Records Report - ISIS/In-House Reference Values
ST. LOUIS ZOOLOGICAL PARK

Scientific name: *ELEPHAS MAXIMUS*
Common Name: INDIAN ELEPHANT (E,I)

		ISIS Values			In-House Values				
		Mean	S.D.	(N)	Mean	S.D.	Min.	Max.	(N)
WBC	*10 ³ /UL	14.41 ±	4.418	(920)	12.04 ±	4.20	5.800	24.00	(100)
RBC	*10 ⁶ /UL	3.11 ±	0.55	(778)	2.765 ±	0.339	2.140	3.990	(98)
HGB	GM/DL	13.3 ±	2.1	(814)	12.27 ±	1.30	9.600	15.70	(100)
HCT	%	37.7 ±	5.8	(987)	34.46 ±	3.55	26.90	43.20	(98)
MCH	MG/DL	43.4 ±	4.9	(752)	45.60 ±	11.13	30.91	153.0	(100)
MCHC	uug	35.4 ±	3.7	(808)	35.60 ±	1.47	28.07	39.02	(100)
MCV	fL	122.4 ±	15.6	(773)	128.6 ±	31.1	110.3	430.1	(99)
SEGS	*10 ³ /UL	4.927 ±	2.953	(704)	4.208 ±	1.890	0.000	12.38	(95)
BANDS	*10 ³ /UL	0.431 ±	0.660	(124)	0.127 ±	0.501	0.000	2.940	(42)
LYMPHOCYTES	*10 ³ /UL	5.635 ±	3.373	(705)	5.335 ±	2.944	1.680	15.43	(97)
MONOCYTES	*10 ³ /UL	3.517 ±	2.925	(567)	1.594 ±	1.524	0.000	5.880	(90)
EOSINOPHILS	*10 ³ /UL	0.483 ±	0.540	(529)	0.281 ±	0.277	0.000	1.533	(85)
BASOPHILS	*10 ³ /UL	0.124 ±	0.088	(66)	0.045 ±	0.077	0.000	0.292	(63)
NRBC	/100 WBC	0 ±	1	(47)	0.333 ±	0.577	0.000	1.000	(3)
PLATE. CNT.	*10 ³ /UL	549 ±	132	(161)	386.0 ±	144.7	75.00	713.0	(56)
RETICS	%	0.0 ±	0.1	(6)	0.000 ±	0.000	0.000	0.000	(2)
GLUCOSE	MG/DL	88 ±	20	(630)	83.97 ±	19.16	29.00	141.0	(86)
BUN	MG/DL	12 ±	4	(635)	13.78 ±	3.03	6.000	20.00	(88)
CREAT.	MG/DL	1.6 ±	0.4	(599)	1.407 ±	0.216	0.900	1.900	(85)
URIC ACID	MG/DL	0.2 ±	0.2	(249)	0.079 ±	0.142	0.000	0.400	(14)
CA	MG/DL	10.7 ±	0.7	(579)	10.70 ±	0.53	9.500	12.10	(87)
PHOS	MG/DL	5.0 ±	1.0	(461)	5.332 ±	0.773	4.000	7.600	(34)
NA	MEQ/L	130 ±	5	(481)	131.3 ±	3.4	124.0	140.0	(86)
K	MEQ/L	4.6 ±	0.5	(491)	4.628 ±	0.389	3.700	6.100	(83)
CL	MEQ/L	89 ±	4	(460)	87.98 ±	2.92	82.00	95.00	(85)
IRON	MCG/DL	69 ±	23	(60)					
MG	MG/DL	2.00 ±	0.51	(33)	1.818 ±	0.140	1.600	2.000	(11)
HCO3	MMOL/L	25.2 ±	2.8	(25)					
CHOL	MG/DL	45 ±	11	(400)	42.29 ±	8.07	20.00	59.00	(31)
TRIG	MG/DL	50 ±	29	(346)	57.79 ±	32.12	15.00	145.0	(29)
T.PROT. (C)	GM/DL	8.1 ±	0.8	(598)	8.016 ±	0.605	6.600	9.600	(83)
T.PROT. (R)	GM/DL	8.4 ±	0.4	(23)					
ALBUMIN (C)	GM/DL	3.3 ±	0.4	(316)	3.054 ±	0.746	1.800	4.400	(82)
GLOBULIN (C)	GM/DL	5.0 ±	0.9	(312)	5.440 ±	0.865	3.500	8.000	(48)
AST (SGOT)	IU/L	21 ±	13	(607)	16.70 ±	5.05	5.000	40.00	(84)
ALT (SGPT)	IU/L	7 ±	8	(457)	5.511 ±	3.833	0.000	20.00	(47)
T. BILI.	MG/DL	0.2 ±	0.1	(447)	0.244 ±	0.111	0.000	0.500	(84)
D. BILI	MG/DL	0.1 ±	0.1	(164)	0.050 ±	0.071	0.000	0.100	(2)
I. BILI.	MG/DL	0.1 ±	0.1	(157)	0.050 ±	0.071	0.000	0.100	(2)
AMYLASE	U/L	3600 ±	2366	(70)	5221 ±	391	4633	5855	(13)
ALK.PHOS.	IU/L	139 ±	73	(576)	116.7 ±	53.8	57.00	265.0	(84)
LDH	IU/L	471 ±	357	(352)	499.2 ±	208.0	230.0	1092	(17)

Clinical Pathology Records Report - ISIS/In-House Reference Values
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Scientific name: *ELEPHAS MAXIMUS*
 Common Name: **INDIAN ELEPHANT (E,I)**

	ISIS Values			In-House Values				
	Mean	S.D.	(N)	Mean	S.D.	Min.	Max.	(N)
CPK IU/L	223 ±	165	(287)	222.5 ±	126.7	61.00	518.0	(19)
OSMOLARITY MOSMOL/L	234 ±	96	(8)	263.1 ±	6.3	251.0	274.0	(44)
ALPHA GLOB. MG/DL	250.4 ±	353.1	(2)	500.0 ±	0.0	500.0	500.0	(1)
ALPHA-1 GLOB GM/DL	1.0 ±	0.0	(1)					
ALPHA-2 GLOB GM/DL	0.7 ±	0.0	(1)					
BETA GLOB. GM/DL	1.0 ±	0.6	(2)	0.600 ±	0.000	0.600	0.600	(1)
Body Temperature:	36.3 ±	0.5	(4)					
CO2 MMOL/L	24.7 ±	3.6	(99)	26.27 ±	1.48	22.00	28.00	(26)
CORTISOL UG/DL	1.8 ±	0.5	(3)					
ESR MM/HR	98 ±	32	(7)	108.5 ±	11.1	81.00	135.0	(26)
FIBRINOGEN MG/DL	387 ±	223	(56)	315.9 ±	58.1	210.0	403.0	(25)
GGT IU/L	7 ±	5	(139)	5.615 ±	3.097	1.000	12.00	(13)
CA++				4.267 ±	0.116	4.200	4.400	(3)
LEPTO. CANI.				400.0 ±	0.0	400.0	400.0	(1)
LEPTO. ICT.				1600 ±	0	1600	1600	(1)
LEPTO. POM.				200.0 ±	0.0	200.0	200.0	(1)
LIPASE U/L	17 ±	28	(22)	25.00 ±	0.00	25.00	25.00	(13)
MEAN PLATELET VOLUME				4.367 ±	0.392	3.500	5.100	(15)
OSMOLALITY MOSMOL/KG				268.6 ±	6.4	259.0	279.0	(14)
PROGESTERONE NG/DL	8.785 ±	38.20	(299)	0.800 ±	0.000	0.800	0.800	(1)
RED CELL DISTRIBUTION WI				15.63 ±	0.91	13.70	17.70	(25)
TESTOSTERONE NG/ML	40.10 ±	0.000	(1)					
VITAMIN E UG/ML	0 ±	0	(2)					
TOTAL T4 MCG/DL	10.5 ±	2.0	(6)					
T3 UPTAKE %	28 ±	2	(2)					
ALBUMIN (E) GM/DL	3.7 ±	0.2	(2)	3.800 ±	0.000	3.800	3.800	(1)
GAMMA GLOB GM/DL	3.1 ±	3.2	(9)	1.800 ±	0.000	1.800	1.800	(1)