

African Elephant Profile
09/29/08

Name	Lil' Diamond
Age	24 yrs. old. She was born in March, 1978 at the Knoxville Zoo. Her mother was Toto and her father was Big Diamond. She is the first African elephant born in captivity in the Western Hemisphere that survived. She came to the NC Zoo in 1995.
Height	8.5 – 9'
Weight	
Physical Description	Diamond is the tallest female and has a long, rangy look about her. Her ears seem larger than Nita's, as both Diamond's dam and sire were supposed to have come out of Kenya. Diamond has two tusks, which are asymmetrical.
Medical Profile	No known problems
Psychological Profile	While Diamond isn't as wary of strangers as Nita, she is probably more sensitive to new situations. And unlike Nita, Diamond can become aggressive when anxious, confused or scared. This aggression takes the form of charging the bars to taking weak to moderate swings with her trunk if really upset. When she is comfortable with a new person or situation, she becomes much easier to work with and more dependable. Diamond is subordinate to Nita. Diamond normally has minimal contact with C'Sar, except when she is ovulating.
Training Profile	Diamond was also started in free contact at the Knoxville Zoo and was one of the ride elephants, which she did for a number of years. During the last two years on the elephant ride, she ran away a couple of times with people on her back. She had also started to threaten a number of keepers. It was decided to move Diamond and her mother to the NC Zoo. Here, she was started in protected contact. Normally, Diamond is fairly easy to work, especially if nothing out of the normal routine happens. Like the other two elephants, Diamond learns new behaviors relatively quickly.
Comments	Other than the occasional fit of anger or frustration, Diamond is comparatively easy to work with and around. But keepers must be aware of her "triggers" to try and avert the outbursts. Like C'Sar, patience and awareness are key words when working Diamond.

Behavioral Profile

Little Diamond

- **Scientific name...**Loxodonta africana
- **Common name...**African elephant
- **House name...** Little Diamond/Little D (Keepers call her “Lil’ Diamond”)
- **Local I.D.#...**1376
- **Stud book #...**170
- **Acquisition date...**4 May 1995
- **Sex...** Female
- **Birth date...** March 1978
- **Height...**8’
- **Weight...**TBD
- **Captive born...** first African elephant born to survive in the Western Hemisphere (Knoxville Zoo, Tennessee)
- **Transaction history...** Until coming to the North Carolina Zoo, she had spent her entire life at the Knoxville Zoo. At Knoxville, Little Diamond was managed in a “free contact” system, eventually becoming a ride elephant for a number of years. During the last two years on the elephant ride, she ran away a couple of times with people on her back. She had also started to threaten a couple of keepers.
- **Description of current management system...** Little Diamond is managed in “protected contact”.
- **Physical description...** Little Diamond is of moderate height and weight for her age range. She has a long “leggy” look about her. She has two long tusks that are asymmetrical.
- **Medical profile..** Little Diamond has no known medical problems either current or past.
- **Reproductive profile...**Little Diamond was reproductively assessed 13 January 2005 and no problems were found. She cycles normally. She has blood drawn once a week for hormonal assays and is exposed to the male on a daily basis, but the male has been termed as a “potential non-breeder”, based on his reproductive assessment. Little Diamond has never been pregnant.
- **Psychological profile...**While Little Diamond is not as wary of strangers as the other female, she is more sensitive to new situations. Diamond can become aggressive when anxious, confused or scared. This aggression takes the form of charging the bars to taking swings with her trunk if really upset. When she becomes more comfortable with a new person or situation, she becomes much easier to work with and more dependable. Diamond is subordinate to Rafiki. Little Diamond usually has minimal contact with the male unless she is ovulating. Keepers must be aware of her “triggers” and try and avert her outbursts. Patience and awareness are key words when working Little Diamond.
- **Training profile...**As of this writing, Diamond has been in “protected contact” for almost 10 years. She allows blood draws from both ears, TB testing, foot trims and goes into the ERD and allows her legs to be strapped. She doesn’t like her anal-genital area to be touched.. All four keepers can work at least the basic behaviors with Diamond. Please see **Little Diamond Behavior List**.

Updated January 2005 – J. Small

NCZP DIET SHEET

EFFECTIVE DATE: February 5, 2002 **ENTERED BY:** Carol Ricketts

SPECIES: African Elephant **LOCATION:** Elephant/Rhino

#ADULTS 0.1 **#JUVENILES** **#INFANTS** **SEX RATIO:** 0.1

ID #(s): 1367, Diamond

TOTAL DIET:

COMMISSARY:

KEEPER: per animal daily

14.25 lbs. Mazuri Elephant Supplement

16.75 lbs. Mazuri Herbivore

1 1/2- 2 bales timothy

1/4 - 1/3 bale alfalfa, randomly

SUPPLEMENTS:

1 cup mineral salt daily

Keepers to supply Emcell Tocopherol in the following amounts

(1 IU Emcell per pound of elephant; 500 IU per ml): 12.5 ml

ENRICHMENT: For training: Commissary to send whole daily

40 pounds apples per 3 animals

50 pounds carrots per 3 animals

Medical History Report - Summary for Individual Specimen
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978

.....2007...

- 1.Mar Blood sample: (EDTA) (10:15.0) Hematology/Chemistry/Serology results.
WBC:4.76 *10³/UL; HCT: 38.0%; BUN:8 MG/DL;
- 6.Mar Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 13.Mar Purpose/Problem: Prophylactic vaccine
Vaccination: TETANUS TOXOID 1ml IM SID
Clinical note recorded. (RX)
- 27.Mar Clinical note recorded. (JH)
- 5.Apr Blood sample: (EDTA) (9:00.0) Hematology/Chemistry/Serology results.
WBC:8.36 *10³/UL; HCT: 36.0%; BUN:9 MG/DL;
- 15.Apr Clinical note recorded. (CUL)
- 25.Apr Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 10.May Blood sample: (EDTA) (8:30.0) Hematology/Chemistry/Serology results.
WBC:5.39 *10³/UL; HCT: 38.0%; BUN:8 MG/DL;
- 5.Jul Blood sample: (9:25.0) Hematology/Chemistry/Serology results.
WBC:8.02 *10³/UL; HCT: 37.6%; BUN:7 MG/DL;
- 11.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 2.Aug Blood sample: (EDTA) (8:50.0) Hematology/Chemistry/Serology results.
WBC:8.46 *10³/UL; HCT: 33.8%; BUN:6 MG/DL;
- 6.Sep Blood sample: (EDTA) (8:40.0) Hematology/Chemistry/Serology results.
HCT: 39.0%; BUN:5 MG/DL;
- 4.Oct Blood sample: (EDTA) (8:20.0) Hematology/Chemistry/Serology results.
WBC:6.36 *10³/UL; HCT: 38.0%;
- 19.Oct Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 1.Nov Blood sample: (EDTA) (8:05.0) Hematology/Chemistry/Serology results.
WBC:6.70 *10³/UL; HCT: 33.0%; BUN:8 MG/DL;
- 6.Dec Blood sample: (EDTA) (9:35.0) Hematology/Chemistry/Serology results.
WBC:9.08 *10³/UL; HCT: 32.7%; BUN:8 MG/DL;
- 13.Dec Blood sample: Chemistry results.
BUN:10 MG/DL;

.....2008...

E 1367.TXT

4.Jan Blood sample: (EDTA) (10:00.0) Hematology/Chemistry/Serology results.
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Medical History Report - Summary for Individual Specimen
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978

.....2008....

- 4.Jan WBC:7.90 *10³/UL; HCT: 38.3%; BUN:7 MG/DL;
- 7.Feb Blood sample: (EDTA) (8:40.0) Hematology/Chemistry/Serology results.
WBC:7.20 *10³/UL; HCT: 37.1%; BUN:7 MG/DL;
- 3.Apr Blood sample: (EDTA) (8:40.0) Hematology/Chemistry/Serology results.
WBC:7.90 *10³/UL; HCT: 39.2%; BUN:9 MG/DL;
Hemolysis
- 1.May Blood sample: (EDTA) (9:15.0) Hematology/Chemistry/Serology results.
HCT: 37.0%; BUN:9 MG/DL;
- 5.Jun Blood sample: (EDTA) (9:45.0) Hematology/Chemistry/Serology results.
WBC:8.32 *10³/UL; HCT: 39.0%; BUN:9 MG/DL;
Hemolysis
- 26.Jun Blood sample: (EDTA) (11:10.0) Hematology/Chemistry/Serology results.
BUN:7 MG/DL;
- 3.Jul Blood sample: (Heparin) (9:55.0) Hematology/Chemistry/Serology result
WBC:8.02 *10³/UL; HCT: 41.0%; BUN:6 MG/DL;
Clots in hematology sample
- 8.Aug Blood sample: (EDTA) (9:15.0) Hematology/Chemistry/Serology results.
HCT: 40.0%; BUN:6 MG/DL;
Clinical note recorded. (RSD)
- 13.Aug Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 28Y 11M 29D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 1.Mar.2007
Time of Collection: 10:15.0
Collected by: JWS
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 1.Mar.2007
Time of Analysis: 12:30
Analysis by: JFC
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<<	4.76		*10 ³ /UL
HEMATOCRIT		38		%
SEGMENTED NEUTROPHILS		38	(1.809)	% (*10 ³ /UL)
LYMPHOCYTES	<	23	(1.095)	% (*10 ³ /UL)
EOSINOPHILS		3	(0.143)	% (*10 ³ /UL)
AZUROPHILS		36	(1.714)	% (*10 ³ /UL)
FIBRINOGEN		200		MG/DL

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 28Y 11M 29D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 1.Mar.2007
Time of Collection: 10:15.0
Collected by: JWS
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC Z00
Date of Analysis: 1.Mar.2007
Time of Analysis: 13:58
Analysis by: JFC
Automated analysis.

Tests and Results >>

GLUCOSE	77	MG/DL
BLOOD UREA NITROGEN	8	MG/DL
CREATININE	1.4	MG/DL
BUN/creatinine ratio	5.71	
CALCIUM	10.5	MG/DL
SODIUM	132	MEQ/L
POTASSIUM	> 5.4	MEQ/L
sodium/potassium ratio	24.4	
CHLORIDE	> 93	MEQ/L
TOTAL PROTEIN (COLORIMETRY)	7.3	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	< 7.2	GM/DL
ALBUMIN (COLORIMETRY)	3.4	GM/DL
GLOBULIN (COLORIMETRY)	3.9	GM/DL
albumin/globulin ratio	0.872	
ASPARTATE AMINOTRANSFERASE	< 15	IU/L
TOTAL BILIRUBIN	> 0.4	MG/DL
ALKALINE PHOSPHATASE	79	IU/L
LACTATE DEHYDROGENASE	1536	IU/L
CREATINE PHOSPHOKINASE	197	IU/L
GAMMA GLUTAMYLTRANSFERASE	< 6	IU/L

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Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978

Parasitology Examination:

Submission Data >>
Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2007-0159
Date collected: 6.Mar.2007
Time collected: 8:00
Collected by: JGP

Collected from:
Group of specimens housed together.

Enclosure: E/R

Examination Data >>
Storage: refrigerated
Consistency: formed
Gross appearance: Typical

Date examined: 6.Mar.2007
at: 14:30
by: DGH

Tests & Results >>
FLOATATION - NA NITRATE NO PARASITES SEEN

Clinical Note:

13.Mar.2007

Rx: TETANUS TOXOID 1 ml IM SID for 1 day. (174B) (RX)

Purpose: Prophylatic vaccine

Prescription Data >>
Drug: TETANUS TOXOID 1 ml IM SID
Formulation: injectable
Prescribed by: RX (13.Mar.2007)

Starting date: 13.Mar.2007
Bottle/Lot #: 174B
Filled by: GAW (13.Mar.2007)

Comments >>

Dispensing Note: Dispense one dose. Each dose: 1 ml.

Daily Treatment Notes >>

Date	Time	Success	By	Comments
15.Mar.2007	07:45	100%	GB	

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Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978

Clinical Note: 27.Mar.2007
Leptosporosis, received 3/23, reported 3/27/07 (Antech):

L. Pomona	Neg	</=1:50	
L. Icterohaemorrhagiae	Neg	</=1:50	
L. Canicola	Neg	</=1:50	
L. Grippotyphosa	Neg	</=1:50	
L. Hardjo	Neg	</=1:50	
L. autumnalis	Neg	</=1:50	
L. bratislava	Neg	</=1:50	(JH)

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NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 1M 4D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 5.Apr.2007
Time of Collection: 9:00.0
Collected by: BS
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 5.Apr.2007
Time of Analysis: 10:20
Analysis by: CAP
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	8.36		*10 ³ /UL
HEMATOCRIT	< 36		%
SEGMENTED NEUTROPHILS	26	(2.174)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	3	(0.251)	% (*10 ³ /UL)
LYMPHOCYTES	< 21	(1.756)	% (*10 ³ /UL)
MONOCYTES	> 48	(4.013)	% (*10 ³ /UL)
EOSINOPHILS	2	(0.167)	% (*10 ³ /UL)

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)
Common Name: African elephant
Name: LITTLE 'D'

Accession #: 1367
Female
Birth: 2.Mar.1978
Age: 29Y 1M 4D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 5.Apr.2007
Time of Collection: 9:00.0
Collected by: BS
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 5.Apr.2007
Time of Analysis: 10:09
Analysis by: CAP
Automated analysis.

Tests and Results >>

GLUCOSE	86	MG/DL
BLOOD UREA NITROGEN	9	MG/DL
CREATININE	1.5	MG/DL
BUN/creatinine ratio	6.00	
CALCIUM	11.0	MG/DL
SODIUM >>	138	MEQ/L
POTASSIUM >	5.2	MEQ/L
sodium/potassium ratio	26.5	
CHLORIDE >>	95	MEQ/L
TOTAL PROTEIN (COLORIMETRY)	8.2	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	8.0	GM/DL
ALBUMIN (COLORIMETRY)	3.7	GM/DL
GLOBULIN (COLORIMETRY)	4.4	GM/DL
albumin/globulin ratio	0.841	
ASPARTATE AMINOTRANSFERASE	19	IU/L
TOTAL BILIRUBIN >	0.4	MG/DL
ALKALINE PHOSPHATASE	92	IU/L
LACTATE DEHYDROGENASE	1322	IU/L
CREATINE PHOSPHOKINASE	150	IU/L
FIBRINOGEN >>	900	MG/DL
GAMMA GLUTAMYLTRANSFERASE <	6	IU/L

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=====
Scientific Name: LOXODONTA AFRICANA (no subsp)
Common Name: African elephant
Name: LITTLE 'D'

Accession #: 1367
Female
Birth: 2.Mar.1978
Age: 29Y 1M 4D
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Clinical Note:

15.Apr.2007

NC State Lab of Public Health, Mycobacteriology (AFB) Final Report:
Specimen 2007-002308, trunk wash, collected 2/15/07, received 3/7/07.

No acid fast bacilli found on smear.

Contaminated.

Specimen 2007-002311, trunk wash, collected 2/14/07, received 3/7/07.

No acid fast bacilli found on smear.

Contaminated.

Specimen 2007-002310, trunk wash, collected 2/13/07, received 3/7/07.

No acid fast bacilli found on smear.

Contaminated. (CUL)

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2007-0242
Date collected: 25.Apr.2007
Time collected: 8:15
Collected by: JWS

Collected from:

Group of specimens housed together.

Enclosure: E/R

Examination Data >>

Storage: refrigerated
Consistency: formed
Gross appearance: Typical
<<< Sample resubmission requested >>>

Date examined: 26.Apr.2007
at: 10:25
by: GAW

Tests & Results >>

FLOATATION - NA NITRATE

NO PARASITES SEEN

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp) Accession #: 1367
Common Name: African elephant Female
Name: LITTLE 'D' Birth: 2.Mar.1978
Age: 29Y 2M 8D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 10.May.2007
Time of Collection: 8:30.0
Collected by: JS
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 10.May.2007
Time of Analysis: 11:15
Analysis by: JFC
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT <<	5.39	*10 ³ /UL
HEMATOCRIT	38	%
SEGMENTED NEUTROPHILS	28	(1.509) % (*10 ³ /UL)
LYMPHOCYTES <	26	(1.401) % (*10 ³ /UL)
MONOCYTES	43	(2.318) % (*10 ³ /UL)
EOSINOPHILS	3	(0.162) % (*10 ³ /UL)

Morphology Results >>
FIBRINOGEN 0

ISIS reference values are for LOXODONTA AFRICANA
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 NORTH CAROLINA ZOOLOGICAL PARK

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Scientific Name: LOXODONTA AFRICANA (no subsp)      Accession #: 1367
Common Name: African elephant                      Female
Name: LITTLE 'D'                                  Birth: 2.Mar.1978
                                                    Age: 29Y 2M 8D
=====
  
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Collection Information >>

Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 10.May.2007
 Time of Collection: 8:30.0
 Collected by: JS
 Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
 Chemistry Sample: Serum
 Storage: Fresh
 Sample Quality: No quality problems.

Laboratory: NC ZOO
 Date of Analysis: 10.May.2007
 Time of Analysis: 11:17
 Analysis by: JFC
 Automated analysis.

Tests and Results >>

GLUCOSE	83	MG/DL
BLOOD UREA NITROGEN	8	MG/DL
CREATININE	1.5	MG/DL
BUN/creatinine ratio	5.33	
CALCIUM	10.8	MG/DL
SODIUM	127	MEQ/L
POTASSIUM	4.8	MEQ/L
sodium/potassium ratio	26.5	
CHLORIDE	90	MEQ/L
TOTAL PROTEIN (COLORIMETRY)	7.6	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	7.8	GM/DL
ALBUMIN (COLORIMETRY)	3.5	GM/DL
GLOBULIN (COLORIMETRY)	4.1	GM/DL
albumin/globulin ratio	0.854	
ALANINE AMINOTRANSFERASE	> 18	IU/L
TOTAL BILIRUBIN	0.3	MG/DL
ALKALINE PHOSPHATASE	83	IU/L
LACTATE DEHYDROGENASE	1220	IU/L
CREATINE PHOSPHOKINASE	182	IU/L
GAMMA GLUTAMYLTRANSFERASE	< 7	IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 4M 3D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 5.Jul.2007
Time of Collection: 9:25.0
Collected by: J P
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant:
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 5.Jul.2007
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	8.02		*10 ³ /UL
RED BLOOD CELL COUNT		3.08		*10 ⁶ /UL
HEMOGLOBIN	<	12.4		GM/DL
HEMATOCRIT		37.6		%
MCV		122		fL
MCH	<	40.3		uug
MCHC		33.0		gm/dL
SEGMENTED NEUTROPHILS		29	(2.326)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	<	1	(0.080)	% (*10 ³ /UL)
LYMPHOCYTES	<	24	(1.925)	% (*10 ³ /UL)
MONOCYTES	>	45	(3.609)	% (*10 ³ /UL)
EOSINOPHILS		1	(0.080)	% (*10 ³ /UL)
BASOPHILS		0		% (*10 ³ /UL)
NUCLEATED RED BLOOD CELLS		0		/100 WBC
PLATELET COUNT		ADEQ		*10 ³ /UL
FIBRINOGEN	>>	600		MG/DL

Comments >>
RBC's okay
Hemavet
WBC 11.74, Ne 0.07, Ly 6.65, Mo 3.30, Eo 1.72, Ba 0.01.

E 1367.TXT
RBC 3.05, RB 12.3, Hct 34.6, Plt 114, MCV 113.4, MCH 40.3, MCHC 35.5,
RDW 18.1, MPV 4.7, PDW 15.8.

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp) Accession #: 1367
Common Name: African elephant Female
Name: LITTLE 'D' Birth: 2.Mar.1978
Age: 29Y 4M 3D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 5.Jul.2007
Time of Collection: 9:25.0
Collected by: J P
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 5.Jul.2007
Time of Analysis: 12:58
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	>	97	MG/DL
BLOOD UREA NITROGEN	<	7	MG/DL
CREATININE		1.5	MG/DL
BUN/creatinine ratio		4.67	
CALCIUM		11.0	MG/DL
SODIUM		128	MEQ/L
POTASSIUM		4.6	MEQ/L
sodium/potassium ratio		27.8	
CHLORIDE		90	MEQ/L
TOTAL PROTEIN (COLORIMETRY)	<	6.8	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	<<	6.8	GM/DL
ALBUMIN (COLORIMETRY)	<	3.1	GM/DL
GLOBULIN (COLORIMETRY)		3.6	GM/DL
albumin/globulin ratio		0.861	
ASPARTATE AMINOTRANSFERASE		17	IU/L
TOTAL BILIRUBIN	<	0.1	MG/DL
ALKALINE PHOSPHATASE		74	IU/L
LACTATE DEHYDROGENASE		1443	IU/L
CREATINE PHOSPHOKINASE		191	IU/L
GAMMA GLUTAMYLTRANSFERASE	<	5	IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978

Parasitology Examination:

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2007-0383
Date collected: 11.Jul.2007
Time collected: 7:30
Collected by: BL

Collected from:

Group of specimens housed together.

Examination Data >>

Storage: refrigerated
Consistency: formed
Gross appearance: Not specified

Date examined: 11.Jul.2007
at: 13:35
by: RMM

Tests & Results >>

FLOATATION - NA NITRATE NO PARASITES SEEN

Printed on: 19.Aug.2008

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp) Accession #: 1367
Common Name: African elephant Female
Name: LITTLE 'D' Birth: 2.Mar.1978
Age: 29Y 5M 1D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 2.Aug.2007
Time of Collection: 8:50.0
Collected by: DG
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 2.Aug.2007
Time of Analysis: 11:00
Analysis by: PAW
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	8.46		*10 ³ /UL
RED BLOOD CELL COUNT	< 2.83		*10 ⁶ /UL
HEMOGLOBIN	12.7		GM/DL
HEMATOCRIT	< 33.8		%
MCV	119		fL
MCH	44.9		ug
MCHC	> 37.6		gm/dL
SEGMENTED NEUTROPHILS	30	(2.538)	% (*10 ³ /UL)
LYMPHOCYTES	37	(3.130)	% (*10 ³ /UL)
MONOCYTES	31	(2.623)	% (*10 ³ /UL)
EOSINOPHILS	2	(0.169)	% (*10 ³ /UL)
FIBRINOGEN	>> 1200		MG/DL

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 5M 1D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 2.Aug.2007
Time of Collection: 8:50.0
Collected by: DG
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 2.Aug.2007
Time of Analysis: 12:13
Analysis by: PAW
Automated analysis.

Tests and Results >>

	GLUCOSE	93	MG/DL
	BLOOD UREA NITROGEN	< 6	MG/DL
	CREATININE	1.4	MG/DL
	BUN/creatinine ratio	4.29	
	CALCIUM	11.1	MG/DL
	SODIUM	130	MEQ/L
	POTASSIUM	5.1	MEQ/L
	sodium/potassium ratio	25.5	
	CHLORIDE	91	MEQ/L
	TOTAL PROTEIN (REFRACTOMETER)	<< 7.0	GM/DL
	ALBUMIN (COLORIMETRY)	3.3	GM/DL
	ASPARTATE AMINOTRANSFERASE	26	IU/L
	TOTAL BILIRUBIN	0.1	MG/DL
	ALKALINE PHOSPHATASE	< 66	IU/L
	LACTATE DEHYDROGENASE	1614	IU/L
	CREATINE PHOSPHOKINASE	196	IU/L
	GAMMA GLUTAMYLTRANSFERASE	<< 3	IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 6M 5D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 6.Sep.2007
Time of Collection: 8:40.0
Collected by: B L
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 6.Sep.2007
Time of Analysis: 11:00
Analysis by: JFC
Manual analysis.

Tests and Results >>

	HEMATOCRIT	39	%
SEGMENTED	NEUTROPHILS >>	28	% (*10^3/UL)
	LYMPHOCYTES >>	31	% (*10^3/UL)
	MONOCYTES >>	39	% (*10^3/UL)
	EOSINOPHILS >>	2	% (*10^3/UL)
	FIBRINOGEN >>	600	MG/DL

Comments >>
RBC's normal.

Hemavet:
WBC 6.06, Ne 1.20, Ly 63.46, Mo 33.23, Eo 2.09, Ba 0.03.
RBC: 1.97, Hb 8.3, Hct 23.3, Plt 103, MCV 118.4, MCH 42.1, MCHC 35.6,
RDW 17.9, MPV 5.7, PDW 18.9.

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 6M 5D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 6.Sep.2007
Time of Collection: 8:40.0
Collected by: B L
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 6.Sep.2007
Time of Analysis: 12:00
Analysis by: JFC
Automated analysis.

Tests and Results >>

	GLUCOSE	>	97	MG/DL
	BLOOD UREA NITROGEN	<	5	MG/DL
	CREATININE		1.5	MG/DL
	BUN/creatinine ratio		3.33	
	CALCIUM		10.9	MG/DL
	SODIUM		129	MEQ/L
	POTASSIUM		5.1	MEQ/L
	sodium/potassium ratio		25.3	
	CHLORIDE	>	92	MEQ/L
	TOTAL PROTEIN (COLORIMETRY)		7.3	GM/DL
	TOTAL PROTEIN (REFRACTOMETER)	<	7.2	GM/DL
	ALBUMIN (COLORIMETRY)		3.3	GM/DL
	GLOBULIN (COLORIMETRY)		4.0	GM/DL
	albumin/globulin ratio		0.825	
	ASPARTATE AMINOTRANSFERASE		16	IU/L

E 1367.TXT
TOTAL BILIRUBIN <0.1 MG/DL
ALKALINE PHOSPHATASE 74 IU/L
LACTATE DEHYDROGENASE > 1701 IU/L
CREATINE PHOSPHOKINASE 268 IU/L
GAMMA GLUTAMYLTRANSFERASE << 3 IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp) Accession #: 1367
Common Name: African elephant Female
Name: LITTLE 'D' Birth: 2.Mar.1978
Age: 29Y 7M 3D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 4.Oct.2007
Time of Collection: 8:20.0
Collected by: JBS
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 4.Oct.2007
Time of Analysis: 11:00
Analysis by: PAW
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	6.36		*10 ³ /UL
HEMATOCRIT		38		%
SEGMENTED NEUTROPHILS		32	(2.035)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	<	0		% (*10 ³ /UL)
LYMPHOCYTES	<	26	(1.654)	% (*10 ³ /UL)
MONOCYTES		40	(2.544)	% (*10 ³ /UL)
EOSINOPHILS		2	(0.127)	% (*10 ³ /UL)
BASOPHILS		0		% (*10 ³ /UL)

Comments >>

WBCs and RBCs normal

Hemavet:

WBC 8.36, Ne 0.46, Ly 55.79, Mo 37.27, Eo 6.35, Ba 0.14.

E 1367.TXT
RBC 3.01, Hb 12.2, HCT 36.6, Plt 169, MCV 121.5, MCH 40.5, MCHC 33.3,
RDW 18.1, MPV 4.6, PDW 16.4.

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum

Storage: Fresh

Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 4.Oct.2007
Time of Analysis: 12:01
Analysis by: PAW
Automated analysis.

Tests and Results >>

SODIUM	131	MEQ/L
POTASSIUM	5.1	MEQ/L
sodium/potassium ratio	25.7	
CHLORIDE >	92	MEQ/L

ISIS reference values are for LOXODONTA AFRICANA
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Scientific Name: LOXODONTA AFRICANA (no subsp)
Common Name: African elephant
Name: LITTLE 'D'

Accession #: 1367
Female
Birth: 2.Mar.1978

Parasitology Examination:

Submission Data >>

Type: Fecal sample

Purpose: ROUTINE EXAMINATION

Sample id.: 2007-0537
Date collected: 19.Oct.2007
Time collected: 8:00
Collected by: BAL

Collected from:

Group of specimens housed together.

Enclosure: ELS-1

Examination Data >>

Storage: refrigerated

Consistency: formed

Gross appearance: Typical

Date examined: 19.Oct.2007
at: 15:45
by: PAW

Tests & Results >>

FLOATATION - NA NITRATE

NO PARASITES SEEN

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 8M 1D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 1.Nov.2007
Time of Collection: 8:05.0
Collected by: JGP
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 1.Nov.2007
Time of Analysis: 11:30
Analysis by: GAW
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	6.70		*10 ³ /UL
RED BLOOD CELL COUNT		2.91		*10 ⁶ /UL
HEMOGLOBIN	<	11.7		GM/DL
HEMATOCRIT	<	33		%
MCV	<	113		fL
MCH	<	40.2		uug
MCHC		35.5		gm/dL
SEGMENTED NEUTROPHILS		19	(1.273)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	<	0		% (*10 ³ /UL)
LYMPHOCYTES	<	25	(1.675)	% (*10 ³ /UL)
MONOCYTES	>	50	(3.350)	% (*10 ³ /UL)
EOSINOPHILS		6	(0.402)	% (*10 ³ /UL)

	E 1367.TXT	
	BASOPHILS	0
NUCLEATED RED BLOOD CELLS		1
PLATELET COUNT	<	148
FIBRINOGEN	>>	700
		% (*10 ³ /UL)
		/100 WBC
		*10 ³ /UL
		MG/DL

Morphology Results >>
ANISOCYTOSIS +2

Comments >>
anisocytosis 2+

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 8M 1D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 1.Nov.2007
Time of Collection: 8:05.0
Collected by: JGP
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 1.Nov.2007
Time of Analysis: 10:41
Analysis by: JFC
Automated analysis.

Tests and Results >>

	GLUCOSE	96	MG/DL
	BLOOD UREA NITROGEN	8	MG/DL
	CREATININE	< 1.1	MG/DL
	BUN/creatinine ratio	7.27	
	CALCIUM	11.0	MG/DL
	SODIUM	131	MEQ/L
	POTASSIUM	5.0	MEQ/L
	sodium/potassium ratio	26.2	
	CHLORIDE	> 93	MEQ/L
	TOTAL PROTEIN (COLORIMETRY)	< 7.0	GM/DL
	TOTAL PROTEIN (REFRACTOMETER)	<< 6.7	GM/DL

E 1367.TXT

ALBUMIN (COLORIMETRY)	<	3.1	GM/DL
GLOBULIN (COLORIMETRY)		3.9	GM/DL
albumin/globulin ratio		0.795	
ASPARTATE AMINOTRANSFERASE		25	IU/L
TOTAL BILIRUBIN	>	0.4	MG/DL
ALKALINE PHOSPHATASE		72	IU/L
LACTATE DEHYDROGENASE		1492	IU/L
CREATINE PHOSPHOKINASE		214	IU/L
GAMMA GLUTAMYLTRANSFERASE	<<	0	IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 9M 5D

Collection Information >>
 Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 6.Dec.2007
 Time of Collection: 9:35.0
 Collected by: JWS
 Sample Collection Site: EAR VEIN

Hematology >>
 Analysis Information >>
 Anticoagulant: EDTA
 Storage: Fresh
 Sample Quality: No quality problems.

Laboratory: NC ZOO
 Date of Analysis: 6.Dec.2007
 Time of Analysis: 12:40
 Analysis by: HSS
 Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	9.08	*10 ³ /UL
RED BLOOD CELL COUNT	< 2.54	*10 ⁶ /UL
HEMOGLOBIN	< 11.3	GM/DL
HEMATOCRIT	< 32.7	%
MCV	129	fL
MCH	44.5	uug
MCHC	34.6	gm/dL
SEGMENTED NEUTROPHILS	34 (3.087)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	< 0	% (*10 ³ /UL)
LYMPHOCYTES	< 19 (1.725)	% (*10 ³ /UL)

E 1367.TXT
 MONOCYTES >> 47 (4.268) % (*10³/UL)
 EOSINOPHILS 0 % (*10³/UL)
 BASOPHILS 0 % (*10³/UL)
 PLATELET COUNT ADEQ *10³/UL

Comments >>
 RBC's okay

Hemavet:
 WBC 9.08, Ne 0.08, Ly 44.04, Mo 43.89, Eo 11.95, Ba 0.04.
 RBC 2.54, HB 11.3, HCT 32.7, PLT 121, MCV 128.9, MCH 44.5, MCHC 34.6,
 RDW 19.5, MPV 4.8, PDW 17.7.

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

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Scientific Name: LOXODONTA AFRICANA (no subsp) Accession #: 1367
 Common Name: African elephant Female
 Name: LITTLE 'D' Birth: 2.Mar.1978
 Age: 29Y 9M 5D

Collection Information >>
 Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 6.Dec.2007
 Time of Collection: 9:35.0
 Collected by: JWS
 Sample Collection Site: EAR VEIN

Chemistry >>
 Analysis Information >>
 Chemistry Sample: Serum
 Storage: Fresh
 Sample Quality: No quality problems.

Laboratory: NC ZOO
 Date of Analysis: 6.Dec.2007
 Time of Analysis:
 Analysis by: HSS
 Automated analysis.

Tests and Results >>

GLUCOSE	90	MG/DL
BLOOD UREA NITROGEN	8	MG/DL
CREATININE	1.2	MG/DL
BUN/creatinine ratio	6.67	
CALCIUM	10.7	MG/DL
SODIUM	128	MEQ/L
POTASSIUM	4.9	MEQ/L
sodium/potassium ratio	26.1	
CHLORIDE	89	MEQ/L

E 1367.TXT

TOTAL PROTEIN (COLORIMETRY)	<	7.0	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	<<	7.0	GM/DL
ALBUMIN (COLORIMETRY)	<	3.1	GM/DL
GLOBULIN (COLORIMETRY)		3.9	GM/DL
albumin/globulin ratio		0.795	
ASPARTATE AMINOTRANSFERASE	<	10	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
ALKALINE PHOSPHATASE		80	IU/L
LACTATE DEHYDROGENASE		1423	IU/L
CREATINE PHOSPHOKINASE		215	IU/L
FIBRINOGEN	>>	900	MG/DL
GAMMA GLUTAMYLTRANSFERASE	<<	2	IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 9M 12D

Collection Information >>
 Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 13.Dec.2007
 Time of Collection:
 Collected by:

Chemistry >>
 Analysis Information >>
 Chemistry Sample: Serum
 Storage: Fresh
 Sample Quality: No quality problems.

Laboratory: NC ZOO
 Date of Analysis: 13.Dec.2007
 Time of Analysis:
 Analysis by:
 Automated analysis.

Tests and Results >>

GLUCOSE	79	MG/DL
BLOOD UREA NITROGEN	10	MG/DL
CREATININE	1.3	MG/DL
BUN/creatinine ratio	7.69	
CALCIUM	10.6	MG/DL
SODIUM	129	MEQ/L
POTASSIUM	> 5.5	MEQ/L
sodium/potassium ratio	23.5	

E 1367.TXT

	CHLORIDE	91	MEQ/L
TOTAL PROTEIN (COLORIMETRY)	<	7.0	GM/DL
ALBUMIN (COLORIMETRY)	<	3.0	GM/DL
GLOBULIN (COLORIMETRY)		4.0	GM/DL
albumin/globulin ratio		0.750	
ASPARTATE AMINOTRANSFERASE		17	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
ALKALINE PHOSPHATASE		74	IU/L
LACTATE DEHYDROGENASE		1548	IU/L
CREATINE PHOSPHOKINASE		276	IU/L
GAMMA GLUTAMYLTRANSFERASE	<	7	IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 10M 4D

Collection Information >>
 Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 4.Jan.2008
 Time of Collection: 10:00.0
 Collected by: RM
 Sample Collection Site: EAR VEIN

Hematology >>
 Analysis Information >>
 Anticoagulant: EDTA
 Storage: Fresh
 Sample Quality: No quality problems.

Laboratory: NC ZOO
 Date of Analysis: 4.Jan.2008
 Time of Analysis: 11:00
 Analysis by: JFC
 Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	7.90	*10 ³ /UL
RED BLOOD CELL COUNT		2.99	*10 ⁶ /UL
HEMOGLOBIN	<	11.6	GM/DL
HEMATOCRIT		38.3	%
MCV		128	fL
MCH	<	38.8	ug
MCHC	<<	30.3	gm/dL

E 1367.TXT
 SEGMENTED NEUTROPHILS 25 (1.975) % (*10^3/UL)
 LYMPHOCYTES 29 (2.291) % (*10^3/UL)
 MONOCYTES > 42 (3.318) % (*10^3/UL)
 EOSINOPHILS 4 (0.316) % (*10^3/UL)
 PLATELET COUNT < 119 *10^3/UL

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp) Accession #: 1367
 Common Name: African elephant Female
 Name: LITTLE 'D' Birth: 2.Mar.1978
 Age: 29Y 10M 4D

Collection Information >> Date of Collection: 4.Jan.2008
 Health Status: Normal Time of Collection: 10:00.0
 Fasting Time: < 8 hours Collected by: RM
 Activity: Calm Sample Collection Site: EAR VEIN
 Manual restraint used.

Chemistry >> Laboratory: NC ZOO
 Analysis Information >> Date of Analysis: 4.Jan.2008
 Chemistry Sample: Serum Time of Analysis: 11:00
 Storage: Fresh Analysis by: JFC
 Sample Quality: No quality problems. Automated analysis.

Tests and Results >>
 GLUCOSE > 101 MG/DL
 BLOOD UREA NITROGEN < 7 MG/DL
 CREATININE 1.3 MG/DL
 BUN/creatinine ratio 5.38
 CALCIUM 11.5 MG/DL
 SODIUM 129 MEQ/L

E 1367.TXT

POTASSIUM	<	4.0	MEQ/L
sodium/potassium ratio		32.3	
TOTAL PROTEIN (COLORIMETRY)		7.7	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	<	7.2	GM/DL
ALBUMIN (COLORIMETRY)	<<	2.9	GM/DL
GLOBULIN (COLORIMETRY)	>	4.8	GM/DL
albumin/globulin ratio		0.604	
ASPARTATE AMINOTRANSFERASE	>>	70	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
CREATINE PHOSPHOKINASE		240	IU/L
GAMMA GLUTAMYLTRANSFERASE		12	IU/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 11M 7D

Collection Information >>	Date of Collection: 7.Feb.2008
Health Status: Normal	Time of Collection: 8:40.0
Fasting Time: < 8 hours	Collected by: GB
Activity: Calm	Sample Collection Site: EAR VEIN
Manual restraint used.	

Hematology >>	Laboratory: NC ZOO
Analysis Information >>	Date of Analysis: 7.Feb.2008
Anticoagulant: EDTA	Time of Analysis: 11:25
Storage: Fresh	Analysis by: JFC
Sample Quality: No quality problems.	Automated analysis.

Tests and Results >>		
WHITE BLOOD CELL COUNT	<	7.20 *10 ³ /UL
RED BLOOD CELL COUNT		2.92 *10 ⁶ /UL
HEMOGLOBIN	<	12.4 GM/DL
HEMATOCRIT		37.1 %
MCV		127 fL

E 1367.TXT			
MCH	42.5		uug
MCHC	33.4		gm/dL
SEGMENTED NEUTROPHILS	26	(1.872)	% (*10 ³ /UL)
LYMPHOCYTES <	12	(0.864)	% (*10 ³ /UL)
MONOCYTES >>	60	(4.320)	% (*10 ³ /UL)
EOSINOPHILS	2	(0.144)	% (*10 ³ /UL)
FIBRINOGEN <<	0		MG/DL

Comments >>

Hemavet:

WBC 7.20, Ne 0.09%, Ly 51.47%, Mo 36.43%, Eo 11.80%, Ba 0.21%.
 RBC 2.92, HB 12.4, HCT 37.1, PLT 149, MCV 127.1, MCH 42.5, MCHC 33.4,
 RDW 19.4, MPV 4.9, PDW 17.3.

ISIS reference values are for LOXODONTA AFRICANA
 Printed on: 19.Aug.2008

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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 29Y 11M 7D

Collection Information >>

Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 7.Feb.2008
 Time of Collection: 8:40.0
 Collected by: GB
 Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: NC ZOO
 Date of Analysis: 7.Feb.2008
 Time of Analysis: 11:54
 Analysis by: JFC
 Automated analysis.

Tests and Results >>

GLUCOSE	95	MG/DL
BLOOD UREA NITROGEN <	7	MG/DL
CREATININE	1.2	MG/DL
BUN/creatinine ratio	5.83	

E 1367.TXT		
CALCIUM	10.8	MG/DL
SODIUM	132	MEQ/L
POTASSIUM	4.9	MEQ/L
sodium/potassium ratio	26.9	
CHLORIDE	> 93	MEQ/L
TOTAL PROTEIN (COLORIMETRY)	7.3	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	< 7.2	GM/DL
ALBUMIN (COLORIMETRY)	< 3.2	GM/DL
GLOBULIN (COLORIMETRY)	4.1	GM/DL
albumin/globulin ratio	0.780	
ASPARTATE AMINOTRANSFERASE	<< 2	IU/L
TOTAL BILIRUBIN	> 0.4	MG/DL
LACTATE DEHYDROGENASE	1523	IU/L
CREATINE PHOSPHOKINASE	234	IU/L
GAMMA GLUTAMYLTRANSFERASE	< 5	IU/L

ISIS reference values are for LOXODONTA AFRICANA
 Printed on: 19.Aug.2008

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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 1M 2D

Collection Information >>	Date of Collection: 3.Apr.2008
Health Status: Normal	Time of Collection: 8:40.0
Fasting Time: < 8 hours	Collected by: RM
Activity: Active	Sample Collection Site: EAR VEIN
Manual restraint used.	

Hematology >>	Laboratory: NC ZOO
Analysis Information >>	Date of Analysis: 3.Apr.2008
Anticoagulant: EDTA	Time of Analysis: 10:00
Storage: Fresh	Analysis by: DGH
Sample Quality: hemolysis	Automated analysis.

Tests and Results >>		
WHITE BLOOD CELL COUNT	< 7.90	*10 ³ /UL
RED BLOOD CELL COUNT	3.02	*10 ⁶ /UL
HEMOGLOBIN	12.7	GM/DL

E 1367.TXT

HEMATOCRIT	39.2		%
MCV	130		fL
MCH	42.1		ug
MCHC	< 32.4		gm/dL
SEGMENTED NEUTROPHILS	26	(2.054)	% (*10 ³ /UL)
LYMPHOCYTES	27	(2.133)	% (*10 ³ /UL)
MONOCYTES	> 47	(3.713)	% (*10 ³ /UL)
PLATELET COUNT	< 146		*10 ³ /UL

Comments >>

Hemavet:

WBC 7.90, Ne 0.02, Ly 47.98, Mo 39.68, Eo 12.31, Ba 0.00.
 RBC 3.02, HB 12.7, Hct 39.2, PLT 146, PCV 129.8, MCH 42.1, MCHC 32.4,
 RDW 19.5, MPV 5.6, PDW 18.0.

ISIS reference values are for LOXODONTA AFRICANA
 Printed on: 19.Aug.2008

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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 1M 2D

Collection Information >>

Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Active
 Manual restraint used.

Date of Collection: 3.Apr.2008
 Time of Collection: 8:40.0
 Collected by: RM
 Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
 Chemistry Sample: Serum
 Storage: Fresh
 Sample Quality: hemolysis

Laboratory: NC ZOO
 Date of Analysis: 3.Apr.2008
 Time of Analysis: 10:47
 Analysis by: DGH
 Automated analysis.

Tests and Results >>

GLUCOSE	96	MG/DL
BLOOD UREA NITROGEN	9	MG/DL

E 1367.TXT

CREATININE	1.5	MG/DL
BUN/creatinine ratio	6.00	
CALCIUM	11.3	MG/DL
SODIUM	> 135	MEQ/L
POTASSIUM	4.6	MEQ/L
sodium/potassium ratio	29.3	
TOTAL PROTEIN (COLORIMETRY)	8.0	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	< 7.4	GM/DL
ALBUMIN (COLORIMETRY)	<< 2.8	GM/DL
GLOBULIN (COLORIMETRY)	> 5.1	GM/DL
albumin/globulin ratio	0.549	
ASPARTATE AMINOTRANSFERASE	30	IU/L
TOTAL BILIRUBIN	0.2	MG/DL
CREATINE PHOSPHOKINASE	325	IU/L
GAMMA GLUTAMYLTRANSFERASE	11	IU/L
TOTAL CONTENT CO2	24	MEQ/L

ISIS reference values are for LOXODONTA AFRICANA
 Printed on: 19.Aug.2008

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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 1M 30D

Collection Information >>

Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 1.May.2008
 Time of Collection: 9:15.0
 Collected by: R M
 Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: NC ZOO
 Date of Analysis: 1.May.2008
 Time of Analysis: 10:30
 Analysis by: PAW
 Automated analysis.

Tests and Results >>

HEMATOCRIT 37 %

E 1367.TXT

GLUCOSE	>	102	MG/DL
BLOOD UREA NITROGEN		9	MG/DL
CREATININE		1.3	MG/DL
BUN/creatinine ratio		6.92	
CALCIUM		10.8	MG/DL
SODIUM		130	MEQ/L
POTASSIUM		4.9	MEQ/L
sodium/potassium ratio		26.5	
TOTAL PROTEIN (COLORIMETRY)		7.8	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	<	7.2	GM/DL
ALBUMIN (COLORIMETRY)	<	3.1	GM/DL
GLOBULIN (COLORIMETRY)	>	4.7	GM/DL
albumin/globulin ratio		0.660	
ASPARTATE AMINOTRANSFERASE		23	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
CREATINE PHOSPHOKINASE		448	IU/L
GAMMA GLUTAMYLTRANSFERASE		9	IU/L
TOTAL CONTENT CO2		25	MEQ/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
 NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 3M 4D

Collection Information >>
 Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Manual restraint used.

Date of Collection: 5.Jun.2008
 Time of Collection: 9:45.0
 Collected by: MS
 Sample Collection Site: EAR VEIN

Hematology >>
 Analysis Information >>
 Anticoagulant: EDTA
 Storage: Fresh
 Sample Quality: hemolysis

Laboratory: NC ZOO
 Date of Analysis: 5.Jun.2008
 Time of Analysis: 13:00
 Analysis by: HKM
 Automated analysis.

E 1367.TXT

Tests and Results >>

WHITE BLOOD CELL COUNT	8.32		*10 ³ /UL
HEMATOCRIT	39		%
SEGMENTED NEUTROPHILS	28	(2.330)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	< 0		% (*10 ³ /UL)
LYMPHOCYTES	< 13	(1.082)	% (*10 ³ /UL)
MONOCYTES	>> 58	(4.826)	% (*10 ³ /UL)
EOSINOPHILS	1	(0.083)	% (*10 ³ /UL)
BASOPHILS	0		% (*10 ³ /UL)
FIBRINOGEN	< 2.4		MG/DL

Comments >>

RBCs normal

Hemavet:

WBC 8.32, Ne 4.87, Ly 38.28, Mo 32.24, Eo 24.37, Ba 0.24.
RBC 3.36, HB 13.5, HCT 40.5, PLT 157, MCV 120.6, MCH 40.2, MCHC 33.3,
RDW 18.2, MPV 5.0, PWD 16.5.

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 3M 4D

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 5.Jun.2008
Time of Collection: 9:45.0
Collected by: MS
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: hemolysis

Laboratory: NC ZOO
Date of Analysis: 5.Jun.2008
Time of Analysis: 13:32
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE >>	113	MG/DL
BLOOD UREA NITROGEN	9	MG/DL
CREATININE	1.3	MG/DL
BUN/creatinine ratio	6.92	
CALCIUM	11.2	MG/DL
SODIUM	132	MEQ/L
POTASSIUM	5.1	MEQ/L
sodium/potassium ratio	25.9	
TOTAL PROTEIN (COLORIMETRY) >	8.3	GM/DL
TOTAL PROTEIN (REFRACTOMETER) <	7.4	GM/DL
ALBUMIN (COLORIMETRY)	3.4	GM/DL
GLOBULIN (COLORIMETRY) >	4.9	GM/DL
albumin/globulin ratio	0.694	
ASPARTATE AMINOTRANSFERASE	21	IU/L
TOTAL BILIRUBIN	0.2	MG/DL
CREATINE PHOSPHOKINASE	294	IU/L
TOTAL CONTENT CO2	28	MEQ/L

ISIS reference values are for LOXODONTA AFRICANA
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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 3M 25D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 26.Jun.2008
Time of Collection: 11:10.0
Collected by: D C
Sample Collection Site: EAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 26.Jun.2008
Time of Analysis: 14:10
Analysis by: PAW

Automated analysis.

Chemistry >>

Analysis Information >>

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

Laboratory: NC ZOO
Date of Analysis: 26.Jun.2008
Time of Analysis: 14:19
Analysis by: PAW
Manual analysis.

Tests and Results >>

GLUCOSE	>	100	MG/DL
BLOOD UREA NITROGEN	<	7	MG/DL
CREATININE		1.5	MG/DL
BUN/creatinine ratio		4.67	
CALCIUM		11.2	MG/DL
SODIUM		132	MEQ/L
POTASSIUM		5.1	MEQ/L
sodium/potassium ratio		25.9	
TOTAL PROTEIN (COLORIMETRY)		8.1	GM/DL
ALBUMIN (COLORIMETRY)		3.3	GM/DL
GLOBULIN (COLORIMETRY)	>	4.8	GM/DL
albumin/globulin ratio		0.688	
ASPARTATE AMINOTRANSFERASE		23	IU/L
TOTAL BILIRUBIN		0.2	MG/DL
CREATINE PHOSPHOKINASE		325	IU/L
GAMMA GLUTAMYLTRANSFERASE		10	IU/L
TOTAL CONTENT CO2		28	MEQ/L

ISIS reference values are for LOXODONTA AFRICANA
Printed on: 19.Aug.2008

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 4M 2D

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 3.Jul.2008
Time of Collection: 9:55.0
Collected by: LD
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: Heparin
Storage: Fresh

Laboratory: NC ZOO
Date of Analysis: 3.Jul.2008
Time of Analysis: 11:39

Sample Quality: clotted

Analysis by: CAP
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	8.02		*10 ³ /UL
RED BLOOD CELL COUNT		3.30		*10 ⁶ /UL
HEMOGLOBIN		13.5		GM/DL
HEMATOCRIT		41		%
MCV		124		fL
MCH		40.9		uug
MCHC		32.9		gm/dL
SEGMENTED NEUTROPHILS		41	(3.288)	% (*10 ³ /UL)
NEUTROPHILIC BANDS	<	0		% (*10 ³ /UL)
LYMPHOCYTES		27	(2.165)	% (*10 ³ /UL)
MONOCYTES		32	(2.566)	% (*10 ³ /UL)
EOSINOPHILS		0		% (*10 ³ /UL)
BASOPHILS		0		% (*10 ³ /UL)
PLATELET COUNT		231		*10 ³ /UL

Morphology Results >>

ANISOCYTOSIS 2+

Comments >>

anisocytosis 2+

Hemavet:

WBC 8.02

Ne 0.22, Ly 38.68, Mo 39.12, Eo 21.65, Ba 0.32.

RBC 3.30, Hb 13.5, HCT 41.8, PLT 231, MCV 126.7, MCH 40.9, MCHC 32.3,

RDW 19.2, MPV 5.2, PDW 17.4.

ISIS reference values are for LOXODONTA AFRICANA

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)
Common Name: African elephant
Name: LITTLE 'D'

Accession #: 1367
Female
Birth: 2.Mar.1978
Age: 30Y 4M 2D

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: 3.Jul.2008
Time of Collection: 9:55.0
Collected by: LD
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum

Laboratory: NC ZOO
Date of Analysis: 3.Jul.2008

E 1367.TXT

Storage: Fresh
Sample Quality: No quality problems.

Time of Analysis: 12:09
Analysis by: CAP
Automated analysis.

Tests and Results >>

GLUCOSE	>	105	MG/DL
BLOOD UREA NITROGEN	<	6	MG/DL
CREATININE		1.8	MG/DL
BUN/creatinine ratio		3.33	
CALCIUM		11.5	MG/DL
SODIUM		132	MEQ/L
POTASSIUM		4.9	MEQ/L
sodium/potassium ratio		26.9	
TOTAL PROTEIN (COLORIMETRY)		8.0	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	<<	7.0	GM/DL
ALBUMIN (COLORIMETRY)		3.3	GM/DL
GLOBULIN (COLORIMETRY)	>	4.8	GM/DL
albumin/globulin ratio		0.688	
ASPARTATE AMINOTRANSFERASE		23	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
CREATINE PHOSPHOKINASE		231	IU/L
GAMMA GLUTAMYLTRANSFERASE		10	IU/L
TOTAL CONTENT CO2		28	MEQ/L

ISIS reference values are for LOXODONTA AFRICANA
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=====
Scientific Name: LOXODONTA AFRICANA (no subsp)
Common Name: African elephant
Name: LITTLE 'D'

=====
Accession #: 1367
Female
Birth: 2.Mar.1978
Age: 30Y 4M 2D
=====

Clinical Note:

Comment: Received blood for analysis today. No abnormalities detected
on CBC and chemistry panel. (RSD)

8.Aug.2008

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)	Accession #: 1367
Common Name: African elephant	Female
Name: LITTLE 'D'	Birth: 2.Mar.1978
	Age: 30Y 5M 8D

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4251 Kg on 18.Jul.2008
Manual restraint used.

Date of Collection: 8.Aug.2008
Time of Collection: 9:15.0
Collected by: R M
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: NC ZOO
Date of Analysis: 8.Aug.2008
Time of Analysis: 11:00
Analysis by: CAP
Automated analysis.

Tests and Results >>

HEMATOCRIT	40	%
SEGMENTED NEUTROPHILS >>	29	% (*10^3/UL)
NEUTROPHILIC BANDS	1	% (*10^3/UL)
LYMPHOCYTES >>	31	% (*10^3/UL)
MONOCYTES >>	36	% (*10^3/UL)
EOSINOPHILS >>	3	% (*10^3/UL)
BASOPHILS	0	% (*10^3/UL)
FIBRINOGEN <<	0.2	MG/DL

Comments >>

RBC's okay

Hemavet:

WBC 8.12, Ne 0.24, Ly 54.59, Mo 30.86, Eo 14.21, Ba 0.11.
RBC 3.62, HB 13.8, HCT 46.8, PLT 271, MCV 129.2, MCH 38.1, MCHC 29.5,
RDW 19.5, MPV 5.3, PDW 16.5.

ISIS reference values are for LOXODONTA AFRICANA
Printed on: 19.Aug.2008

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Clinical Pathology Records - Specimen Report
NORTH CAROLINA ZOOLOGICAL PARK

Scientific Name: LOXODONTA AFRICANA (no subsp)
Common Name: African elephant
Name: LITTLE 'D'

Accession #: 1367
Female
Birth: 2.Mar.1978
Age: 30Y.5M 8D

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4251 Kg on 18.Jul.2008
Manual restraint used.

Date of Collection: 8.Aug.2008
Time of Collection: 9:15.0
Collected by: R M
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum

Storage: Fresh

Sample Quality: No quality problems.

Laboratory: NC ZOO
Date of Analysis: 8.Aug.2008
Time of Analysis: 11:50
Analysis by: CAP
Automated analysis.

Tests and Results >>

GLUCOSE	>	104	MG/DL
BLOOD UREA NITROGEN	<	6	MG/DL
CREATININE		1.7	MG/DL
BUN/creatinine ratio		3.53	
CALCIUM		11.2	MG/DL
SODIUM		130	MEQ/L
POTASSIUM		4.8	MEQ/L
sodium/potassium ratio		27.1	
TOTAL PROTEIN (COLORIMETRY)		8.2	GM/DL
TOTAL PROTEIN (REFRACTOMETER)	<	7.4	GM/DL
ALBUMIN (COLORIMETRY)		3.3	GM/DL
GLOBULIN (COLORIMETRY)	>	4.9	GM/DL
albumin/globulin ratio		0.673	
ASPARTATE AMINOTRANSFERASE		25	IU/L
TOTAL BILIRUBIN		0.2	MG/DL
CREATINE PHOSPHOKINASE		317	IU/L
GAMMA GLUTAMYLTRANSFERASE		11	IU/L
TOTAL CONTENT CO2		26	MEQ/L

ISIS reference values are for LOXODONTA AFRICANA
Printed on: 19.Aug.2008

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Scientific Name: LOXODONTA AFRICANA (no subsp)
Common Name: African elephant
Name: LITTLE 'D'

Accession #: 1367
Female
Birth: 2.Mar.1978

Parasitology Examination:

Submission Data >>

Type: Fecal sample

Purpose: ROUTINE EXAMINATION

Sample id.: 2008-0434
Date collected: 13.Aug.2008
Time collected: 7:30

Collected from:

Group of specimens housed together.

Enclosure: ELPB

E 1367.TXT

Examination Data >>

Storage: room temperature
Consistency: Not specified
Gross appearance: Typical

Date examined: 13.Aug.2008

by: DGH

Tests & Results >>

FLOATATION - NA NITRATE

NO PARASITES SEEN

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Clinical Pathology Records Report - ISIS/In-House Reference Values
NORTH CAROLINA ZOOLOGICAL PARK

=====
Scientific name: LOXODONTA AFRICANA
Common Name: African elephant
=====

		ISIS Values			
		Mean	S.D.	Min.	Max. (N)
WBC	*10 ³ /UL	10.62	+ 2.491	5.000	21.00 (1081)
RBC	*10 ⁶ /UL	3.21	+ 0.37	2.10	4.80 (1047)

E 1367.TXT

HGB	GM/DL	13.8 +	1.3	9.0	18.6	(1071)
HCT	%	40.0 +	3.8	29.5	54.0	(1107)
MCH	MG/DL	43.2 +	2.7	36.4	65.6	(1031)
MCHC	uug	34.5 +	1.8	28.3	46.4	(1057)
MCV	fL	125.4 +	7.8	91.1	190.0	(1029)
SEGS	*10 ³ /UL	2.897 +	1.690	0.000	11.40	(778)
BANDS	*10 ³ /UL	0.908 +	0.748	0.000	3.960	(520)
LYMPHOCYTES	*10 ³ /UL	5.326 +	3.263	0.022	64.40	(787)
MONOCYTES	*10 ³ /UL	1.164 +	1.536	0.000	8.639	(742)
EOSINOPHILS	*10 ³ /UL	0.240 +	0.301	0.000	2.898	(631)
BASOPHILS	*10 ³ /UL	0.041 +	0.077	0.000	0.525	(424)
NRBC	/100 WBC	1 +	1	0	3	(25)
PLATE. CNT.	*10 ³ /UL	498 +	278	177	1380	(124)
RETICS	%	0.0 +	0.0	0.0	0.0	(6)
GLUCOSE	MG/DL	83 +	13	47	141	(1001)
BUN	MG/DL	11 +	3	0	21	(1024)
CREAT.	MG/DL	1.5 +	0.3	0.5	4.4	(962)
URIC ACID	MG/DL	0.3 +	0.4	0.0	5.1	(356)
CA	MG/DL	11.0 +	0.5	8.7	13.9	(1010)
PHOS	MG/DL	4.9 +	0.8	3.0	8.2	(981)
NA	MEQ/L	129 +	3	111	146	(995)
K	MEQ/L	4.7 +	0.4	3.9	6.9	(1005)
CL	MEQ/L	88 +	3	71	108	(984)
IRON	MCG/DL	79 +	24	24	130	(29)
MG	MG/DL	2.33 +	0.54	1.40	4.20	(44)
CHOL	MG/DL	67 +	19	0	302	(947)
TRIG	MG/DL	68 +	31	14	179	(876)
T.PROT. (C)	GM/DL	7.7 +	0.5	5.8	9.6	(906)
T.PROT. (R)	GM/DL	8.0 +	0.4	7.4	8.6	(8)
ALBUMIN (C)	GM/DL	3.6 +	0.3	2.2	4.5	(841)
GLOBULIN (C)	GM/DL	4.1 +	0.5	2.4	5.8	(832)
AST (SGOT)	IU/L	25 +	9	7	80	(982)
ALT (SGPT)	IU/L	6 +	6	0	30	(278)
T. BILI.	MG/DL	0.2 +	0.1	0.0	1.0	(829)
D. BILI	MG/DL	0.0 +	0.0	0.0	0.2	(90)
I. BILI.	MG/DL	0.1 +	0.1	0.0	0.5	(89)
AMYLASE	U/L	3389 +	1520	0	7918	(130)
ALK.PHOS.	IU/L	123 +	55	47	364	(978)
LDH	IU/L	1043 +	575	157	4306	(949)
CPK	IU/L	256 +	198	44	1263	(105)

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Clinical Pathology Records Report - ISIS/In-House Reference Values
NORTH CAROLINA ZOOLOGICAL PARK

Scientific name: LOXODONTA AFRICANA
Common Name: African elephant

		ISIS Values			
		Mean	S.D.	Min.	Max. (N)
OSMOLARITY	MOSMOL/L	258 +	4	245	272 (652)

E 1367.TXT

HCO3	MEQ/L	177.7 + 398.3	23.0	1081	(7)
Body Temperature:		39.0 + 0.0	39.0	39.0	(1)
CO2	MMOL/L	27.4 + 2.5	16.7	34.6	(731)
ESR	MM/HR	27 + 0	27	27	(1)
FIBRINOGEN	MG/DL	296 + 147	100	600	(14)
GGT	IU/L	12 + 4	0	27	(148)
LIPASE	U/L	7 + 6	0	20	(29)
PROGESTERONE	NG/DL	32.81 + 47.83	0.100	257.0	(44)
TESTOSTERONE	NG/ML	0.220 + 0.000	0.220	0.220	(1)
TOTAL T4	MCG/DL	14.5 + 7.1	9.5	19.5	(2)

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