

Medical History Report - Summary for Individual Specimen
BUTTONWOOD PARK ZOO

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ELEPHAS MAXIMUS (no subsp)

Sex: Female

Acc. #: 5

Asiatic elephant

Age: 55Y 2M 12D

Birth: 29.Oct.1958

Name: RUTH

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.....2011....

3.Feb Clinical note recorded. (DD)
8.Feb Rx: GLUCOSAMINE 6000mg PO BID until further notice. (1.89 mg/kg)
Clinical note recorded. (MS)
Clinical note recorded. (SCM)
16.Feb Clinical note recorded. (SCM)

7.Apr Clinical note recorded. (DD)
25.Apr Clinical note recorded. (DD)
26.Apr Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
Clinical note recorded. (DD)
27.Apr Purpose/Problem: Vaccine reaction
Rx: PHENYLBUTAZONE 3.5gm PO
Clinical note recorded. (MS)
28.Apr Purpose/Problem: Vax site reaction
Rx: PHENYLBUTAZONE 3.5gm PO SID for 2 days.
Clinical note recorded. (MS)

3.May Clinical note recorded. (DD)

16.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.

23.Sep Weight: 3175 Kg (7000 Lb)

10.Dec Clinical note recorded. (SCM)

.....2012....

17.Jan Clinical note recorded. (SCM)
18.Jan Clinical note recorded. (SCM)
19.Jan Clinical note recorded. (SCM)
20.Jan Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:11.40 *10³/UL; HCT: 34.5%; BUN:11 MG/DL;
24.Jan Clinical note recorded. (SCM)
30.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

17.Mar Blood sample: (EDTA) Hematology results.
WBC:9.70 *10³/UL; HCT: 33.6%;
Clinical note recorded. (MS)
20.Mar Clinical note recorded. (MS)
21.Mar Clinical note recorded. (MS)

11.Apr Clinical note recorded. (SCM)
19.Apr Clinical note recorded. (SCM)

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.....**2012**....

27.Apr Clinical note recorded. (MS)

10.May Clinical note recorded. (MS)

15.May Clinical note recorded. (MS)

5.Sep Clinical note recorded. (LAS)

27.Sep Clinical note recorded. (LAS)

16.Oct Clinical note recorded. (LAS)

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

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Sex: Female Acc. #: 5
Age: 55Y 2M 12D Birth: 29.Oct.1958

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Clinical Note:

3.Feb.2011

2/3/11: CBC/Chem NSF. Magnesium 2.4mg/dl. (DD)

Clinical Note:

8.Feb.2011

Rx: GLUCOSAMINE 6000 mg PO BID until further notice. ** group
treatment ** (MS)

Clinical Note:

8.Feb.2011

: MWI informed us that Glycoflex has been received at their warehouse
and will be shipped out today to be received tomorrow. Dispensed
domestics' glycoflex today as replacement should arrive tomorrow.

Plan:

1.) Glycoflex II EQ: 6 scoops PO BID loading dose through 3/8/11,
followed by 3 scoops PO BID thereafter for maintenance.

(MS) (SCM)

Group Treatment >>

ELEPHAS MAXIMUS (no subsp)/Asiatic elephant

5 4

Prescription Data >>

Starting date: **8.Feb.2011**

Drug: GLUCOSAMINE 6000 mg PO BID until further notice

Formulation: 2000 mg other

Prescribed by: MS (8.Feb.2011)

Filled by: MS (8.Feb.2011)

Drug dosage: 1.89 mg/kg

Treatment weight: 3175 kg

Clinical response to treatment: Good

Comments >>

Tradename of drug used is GLYCO FLEX.

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

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Sex: Female Acc. #: 5
Age: 55Y 2M 12D Birth: 29.Oct.1958

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Clinical Note: **16.Feb.2011**

1.) Glycoflex II EQ: 6 scoops PO BID loading dose through 3/8/11,
followed by 3 scoops PO BID thereafter for maintenance.

(MS) (SCM)

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Clinical Note: **7.Apr.2011**

All trunk washes for TB are negative. (DD)

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Clinical Note: **25.Apr.2011**

Mild vaginitis noted. This has historically been self-limiting
condition.

Plan: Monitor. (DD)

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Clinical Note: **26.Apr.2011**

PE: EENT: Old corneal scar OD static. OS NSF. Oral NSF. CV/L:
Unable to auscult anything. M/S/I: superficial abrasion on left hip
which is historically self limiting in nature.

Vaccinated with 2ml Rabies (Imrab3, SN12547, Exp 2/13/12) IM left
gluteal and 1ml EEE/WEE/Tetanus toxoid (Fort Dodge Equiloid Innovator,
SN 1685115B, Exp 11/4/11) IM left gluteal.

Blood collected and submitted to Cornell for Large Animal Baseline
profile, WNV titer, and serum Vit E level.

Plan: Submit fecal to IDEXX for fecal and baermann float. (DD)

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

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Sex: Female Acc. #: 5
Age: 55Y 2M 12D Birth: 29.Oct.1958

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Parasitology Examination:

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2011-0056
Date collected: **26.Apr.2011**
Time collected: 10:00
Collected by: DD

Collected from:

From an individual specimen.

Examination Data >>

Storage: room temperature
Consistency: formed
Gross appearance: Typical

Date examined: 26.Apr.2011
at: 11:00
by: DD

Sample description:

NPS

Comments >>

NPS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

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Sex: Female Acc. #: 5
Age: 55Y 2M 12D Birth: 29.Oct.1958

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Clinical Note:

27.Apr.2011

Rx: PHENYLBUTAZONE 3.5 gm PO Large, painful, grapefruit-sized area of inflammation noted at vaccine injection site. Ruth is weight bearing, but is favoring that leg. Spoke with Dr. Dower, D.V.M. at Pfizer to report a vaccine reaction. Vaccine this year is the same formula as previous years. She suggested that perhaps the vaccine got too cold during shipping as that has been reported to cause inflammatory reactions. Lot number has been logged with Pfizer.

Keepers were instructed to cold hose the area for 10 minutes or more. Administered 1cc Dexamethasone SP near injection site to help reduce local inflammation.

Fecal submitted to IDEXX for ova and parasites/baermann float.

Plan:

- 1.) Cold hose 10min/Day X 5 days.
- 2.) Phenylbutazone 3.5g PO SID X 1-3 days PRN. (MS)

Purpose: Vaccine reaction

Prescription Data >>

Starting date: **27.Apr.2011**

Drug: PHENYLBUTAZONE 3.5 gm PO
Formulation: 12.00 gm paste
Prescribed by: MS (27.Apr.2011)

Filled by: DD (27.Apr.2011)
Treatment weight: 3402 kg

Comments >>

Tradename of drug used is BUTAPASTE.

Clinical Note:

28.Apr.2011

Rx: PHENYLBUTAZONE 3.5 gm PO SID for 2 days. (MS)

Purpose: Vax site reaction

Prescription Data >>

Starting date: **28.Apr.2011**

Drug: PHENYLBUTAZONE 3.5 gm PO SID for 2 days
Formulation: 12.00 gm paste
Prescribed by: MS (28.Apr.2011)

Filled by: DD (28.Apr.2011)
Treatment weight: 3402 kg

Comments >>

Printed on: 9.Jan.2014

/ISIS/MedARKS/5.54.f

Medical History Report - Individual Specimen
BUTTONWOOD PARK ZOO

ELEPHAS MAXIMUS (no subsp)

Sex: Female

Acc. #: 5

Asiatic elephant

Age: 55Y 2M 12D

Birth: 29.Oct.1958

Name: RUTH

Prescription Record (continued):

Tradename of drug used is BUTAPASTE.

Clinical Note:

3.May.2011

Recheck: Swelling at vaccination site is greatly reduced in size and no longer painful.

Baermann float: NPS

Bloodwork: CBC/Chem NSF. Vitamin E: 43ug/dl.

Pre-vaccination WNV titer: <10

Plan: Continue to monitor vaccination site (DD)

Submission Data >>

Type: Fecal sample

Purpose: ROUTINE EXAMINATION

Sample id.: 2011-0086

Date collected: **16.Jul.2011**

Time collected: 8:30

Collected by: DD

Collected from:

From an individual specimen.

Examination Data >>

Storage: room temperature

Consistency: formed

Gross appearance: Typical

Date examined: 16.Jul.2011

at: 8:40

by: DD

Sample description:

small grub like larvae found in earlier sample but none today.

Comments >>

NPS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

Sex: Female Acc. #: 5
Age: 55Y 2M 12D Birth: 29.Oct.1958

Clinical Note: **10.Dec.2011**

Keepers will be initiating mineral oil spray on skin daily in addition to their biannual mineral oil baths to help mitigate dry skin condition. (SCM)

Clinical Note: **17.Jan.2012**

Trunk wash performed for Tuberculosis surveillance (SCM)

Clinical Note: **18.Jan.2012**

Trunk wash performed for Tuberculosis surveillance (SCM)

Clinical Note: **19.Jan.2012**

Trunk wash performed for Tuberculosis surveillance. Previously noted trunk wounds are healed.

TB stat pak results: Negative.

Blood taken for EEHV, Reproductive Hormone, and IMLS studies.

CBC/Chem submitted to IDEXX for comparison to new inhouse lab equipment. (SCM)

Clinical Pathology Records - Specimen Report

BUTTONWOOD PARK ZOO

ELEPHAS MAXIMUS (no subsp)

Asiatic elephant

Name: RUTH

Sex: Female

Age: 53Y 2M 22D

Acc. #: 5

Birth: 29.Oct.1958

Collection Information >>

Health Status: Normal

Fasting Time: < 8 hours

Activity: Calm

Weight: 3175 Kg on 23.Sep.2011

Manual restraint used.

Date of Collection: **20.Jan.2012**

Time of Collection: :

Collected by: MAS

Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA

Storage: Fresh

Sample Quality: No quality problems.

Laboratory: **IN HOUSE**

Date of Analysis: **20.Jan.2012**

Time of Analysis: 15:20

Analysis by:

Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	11.4		*10 ³ /UL
RED BLOOD CELL COUNT	2.74		*10 ⁶ /UL
HEMOGLOBIN	13.6		GM/DL
HEMATOCRIT	34.5		%
MCV	126		fL
MCH	> 49.6		uug
MCHC	> 39.4		gm/dL
SEGMENTED NEUTROPHILS	60.53	(6.900)	% (*10 ³ /UL)
LYMPHOCYTES	26.32	(3.000)	% (*10 ³ /UL)
MONOCYTES	13.16	(1.500)	% (*10 ³ /UL)
PLATELET COUNT	< 161		*10 ³ /UL

Comments >>

MPV- 6.0 fl

WBC Differential: Abnormal WBC distribution, slide review advised

MCV: Evaluate histogram and RBC morphology on slide

RDW: Evaluate histogram & RBC morphology on slide.

Clinical Pathology Records - Specimen Report

BUTTONWOOD PARK ZOO

ELEPHAS MAXIMUS (no subsp)

Asiatic elephant

Name: RUTH

Sex: Female

Age: 53Y 2M 22D

Acc. #: 5

Birth: 29.Oct.1958

Collection Information >>

Health Status: Normal

Fasting Time: < 8 hours

Activity: Calm

Weight: 3175 Kg on 23.Sep.2011

Manual restraint used.

Date of Collection: 20.Jan.2012

Time of Collection: :

Collected by: MAS

Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum

Storage: Fresh

Sample Quality: No quality problems.

Laboratory: IN_HOUSE

Date of Analysis: 20.Jan.2012

Time of Analysis:

Analysis by:

Automated analysis.

Tests and Results >>

GLUCOSE	78	MG/DL
BLOOD UREA NITROGEN	11.3	MG/DL
CREATININE	1.2	MG/DL
BUN/creatinine ratio	9.42	
CALCIUM	10.8	MG/DL
PHOSPHORUS	5.0	MG/DL
calcium/phosphorus ratio	2.16	
SODIUM	135	MEQ/L
POTASSIUM	4.5	MEQ/L
sodium/potassium ratio	30.0	
CHLORIDE	92	MEQ/L
MAGNESIUM	2.4	MG/DL
CHOLESTEROL	<50	MG/DL
TRIGLYCERIDE	67	MG/DL
TOTAL PROTEIN (COLORIMETRY)	8.8	GM/DL
ALBUMIN (COLORIMETRY) >>	4.5	GM/DL
GLOBULIN (COLORIMETRY) >	6.8	GM/DL
albumin/globulin ratio	0.662	
ASPARTATE AMINOTRANSFERASE	14	IU/L
ALANINE AMINOTRANSFERASE	<10	IU/L
TOTAL BILIRUBIN	0.1	MG/DL
AMYLASE	>2500	U/L
ALKALINE PHOSPHATASE	77	IU/L

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Sex: Female Acc. #: 5
Age: 53Y 2M 22D Birth: 29.Oct.1958

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Clinical Note:

24.Jan.2012

IDEXX Chem unremarkable.

IDEXX CBC: relative monocytosis and neutrophilia is reported. No other abnormalities noted. Cell morphology appears normal.

R/O: Laboratory cell count error vs. real.

Plan: Review CBC in-house microscopically (SCM)

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2012-0097
Date collected: **30.Jan.2012**
Time collected: 10:00
Collected by: KVS

Collected from:

Group of specimens housed together.

Enclosure: ES

Examination Data >>

Storage: refrigerated
Consistency: formed
Gross appearance: Typical

Date examined: 30.Jan.2012

Tests & Results >>

BAERMANN SEDIMENTATION	NO PARASITES SEEN
DIRECT MICROSCOPIC EXAMINATION	NO PARASITES SEEN
FLOATATION - ZINC SULFATE	NO PARASITES SEEN

Comments >>

giardia elisa Negative

Clinical Note:

17.Mar.2012

Repeat CBC in-house NSF (MS)

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Clinical Pathology Records - Specimen Report

BUTTONWOOD PARK ZOO

ELEPHAS MAXIMUS (no subsp)

Asiatic elephant

Name: RUTH

Sex: Female

Age: 53Y 4M 19D

Acc. #: 5

Birth: 29.Oct.1958

Collection Information >>

Health Status: Normal

Fasting Time: < 8 hours

Activity: Calm

Weight: 3175 Kg on 23.Sep.2011

Manual restraint used.

Date of Collection: **17.Mar.2012**

Time of Collection: :

Collected by:

Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

Anticoagulant: EDTA

Storage: Fresh

Sample Quality: No quality problems.

Laboratory: **IN HOUSE**

Date of Analysis: **17.Mar.2012**

Time of Analysis:

Analysis by: SCM

Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	9.7		*10 ³ /UL
RED BLOOD CELL COUNT		2.65		*10 ⁶ /UL
HEMOGLOBIN		13.2		GM/DL
HEMATOCRIT		33.6		%
MCV		127		fL
MCH	>	49.8		uug
MCHC	>	39.3		gm/dL
LYMPHOCYTES	<	12.37	(1.200)	% (*10 ³ /UL)
MONOCYTES		13.40	(1.300)	% (*10 ³ /UL)
PLATELET COUNT	<	136		*10 ³ /UL

Comments >>

Gran- 7.2 10(3)/ul

MCV-126.8 fl

RDW 154.0 fl

MCHC= 39.4 g/dL

MCH= 50.0 pg

MPV- 5.9 fl

WBC Diff: abnormal WBC distribution, slide review advised

MCV and RDW- evaluate histogram and RBC morphology on slide.

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

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Sex: Female Acc. #: 5
Age: 53Y 4M 19D Birth: 29.Oct.1958

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Clinical Note:

20.Mar.2012

TB Test: trunk wash results: No Mycobacterial Isolation Made (MS)

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Clinical Note:

21.Mar.2012

Final report from Nation Veterinary Services Laboratories:
Mycobacterial Culture result for 1/17/12, 1/18/12, 1/19/12: No
isolation made. (MS)

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Clinical Note:

11.Apr.2012

PE/Vax

EENT: Corneal opacity in center or right eye from previously healed
corneal abscess appears static. M/S/I: Usual dry area on face,
cracking at edges. Toes look good.

Administered 2ml RV (imrab3, SN 12557, EXP 11/12/12) right rear.

Administered Equine Rhinopneumonitis-Infuenza (Fort Dodge Fluvac
Innovator EHV4/1, SN 1822141B, Exp 11/30/12) left rear. Note: May
have been given to Ruth due to label error.

Plan:

1.) Repeat EEE/WEE/Tetanus in 4 weeks. (SCM)

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Clinical Note:

19.Apr.2012

Bill Sampson reports that an old recurrent draining tract in hard
palate has re-opened. This is usually a self limiting lesion with
daily power washing to keep the tract actively draining until healed.

A: R/O: tooth fragment, vegetation, or other F.B. which has never
fully resolved but which has historically not been a medical condition
warranting the risk of sedation or anesthesia.

Plan:

1.) Monitor.

2.) Repeat EEE/WEE/Tetanus on ~5/11/12 (SCM)

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

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Sex: Female Acc. #: 5
Age: 53Y 4M 19D Birth: 29.Oct.1958

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Clinical Note:

27.Apr.2012

Problem: Recurrent draining tract in palate.

Rechecked oral cavity today. Wound on palate is only pinsized today.
No swelling or pain noted.

Plan:

- 1.) Monitor.
 - 2.) Repeat EEE/WEE/Tetanus on ~5/11/12 (MS)
- _____

Clinical Note:

10.May.2012

Problem: Recurrent draining tract in palate.

Plan:

- 1.) Monitor.
 - 2.) Repeat EEE/WEE/Tetanus on ~5/11/12 (MS)
- _____

Clinical Note:

15.May.2012

Repeat EEE/WEE/Tetanus (FortDodge, Equiloid Innovator, SN1685117B, Exp
9/13/12) IM right rear. (MS)

Clinical Note:

5.Sep.2012

Keepers reported a swelling on Ruth's right front foot in front of the
nail for Digit IV

Upon exam all nails are significantly overgrown and especially on the
inside of Ruth's right front foot which is causing her to supponate on
that foot. Soft tissue swelling in front of Digit IV appears to be a
precursor to a prolapse.

Keepers were instructed to aggressively trim all nails on both
elephants.

At the end of the day, keeper reported that the swelling, while still
present, was reduced. (LAS)

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ELEPHAS MAXIMUS (no subsp)

Sex: Female

Acc. #: 5

Asiatic elephant

Age: 53Y 4M 19D

Birth: 29.Oct.1958

=====

Name: RUTH

Clinical Note:

27.Sep.2012

Plan:

1.) Keepers to continue to aggressively trim all nails over the next several days until feet can be placed in a more normal conformation.

2.) Substrate changes for elephant barn to include removal of concrete floor and replacement with 3 feet of a loam/sand mix with small berms to encourage normal flexion and extension of joints.

Expense has been approved by the Mayor.

3.) Substrate changes for elephant yard to include addition of sand/loam mix, with small berms to encourage normal flexion and extension of joints, a mud wallow and tall burmes to provide visual separation, should the elephants so desire. Expense has been approved by the Mayor. (LAS)

Clinical Note:

16.Oct.2012

In response to a report by a patron, of lameness and potential traumatic interaction to the U/G area by Emily, an evaluation is performed.

Ruth is BAR on the front lawn today. She is fully weight bearing on all four limbs. When asked to walk and jog on the lawn, it is noted that she swings wide with both front feet as she has done for some time. However, no lameness is noted on any limb at this time. No evidence of trauma is seen in the U/G area or on any other area of the body.

Keepers report that footwork is currently being performed on her right front foot in the area of the previously noted potential prolapse. As well, corrective trimming is being performed on all four. They report there has been no lameness out of the ordinary for this animal.

Plan: Monitor. (LAS)

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Clinical Pathology Records Report - ISIS/In-House Reference Values

BUTTONWOOD PARK ZOO

Scientific name: **ELEPHAS MAXIMUS**Common Name: **Asiatic elephant**

		ISIS Values				
		Mean	S.D.	Min.	Max.	(N)
WBC	*10 ³ /UL	14.43	+ 4.409	5.800	33.30	(1779)
RBC	*10 ⁶ /UL	3.06	+ 0.51	1.78	5.15	(1501)
HGB	GM/DL	13.2	+ 2.2	6.6	24.9	(1568)
HCT	%	37.1	+ 6.0	20.3	68.0	(1890)
MCH	MG/DL	43.3	+ 4.8	16.6	63.2	(1464)
MCHC	uug	35.4	+ 3.6	16.9	68.6	(1536)
MCV	fL	122.3	+ 13.4	47.1	213.2	(1491)
SEGS	*10 ³ /UL	4.822	+ 2.925	0.291	23.90	(1502)
BANDS	*10 ³ /UL	1.402	+ 2.124	0.000	11.40	(307)
LYMPHOCYTES	*10 ³ /UL	5.243	+ 3.223	0.196	20.60	(1513)
MONOCYTES	*10 ³ /UL	3.677	+ 2.909	0.000	9.983	(1273)
EOSINOPHILS	*10 ³ /UL	0.465	+ 0.551	0.000	4.520	(1093)
BASOPHILS	*10 ³ /UL	0.173	+ 0.105	0.000	0.508	(119)
NRBC	/100 WBC	1	+ 1	0	3	(85)
PLATE. CNT.	*10 ³ /UL	469	+ 215	121	1394	(428)
RETICS	%	0.8	+ 1.6	0.0	4.4	(10)
GLUCOSE	MG/DL	91	+ 21	33	223	(1257)
BUN	MG/DL	13	+ 4	4	30	(1260)
CREAT.	MG/DL	1.6	+ 0.4	0.7	3.3	(1230)
URIC ACID	MG/DL	0.2	+ 0.3	0.0	3.4	(286)
CA	MG/DL	10.6	+ 0.8	7.8	14.8	(1184)
PHOS	MG/DL	5.0	+ 1.2	1.9	11.1	(724)
NA	MEQ/L	130	+ 6	99	181	(859)
K	MEQ/L	4.6	+ 0.5	3.2	6.6	(861)
CL	MEQ/L	89	+ 4	77	103	(731)
IRON	MCG/DL	65	+ 23	29	158	(82)
MG	MG/DL	2.10	+ 0.53	0.00	2.90	(68)
HCO3	MMOL/L	26.3	+ 3.0	19.0	32.3	(55)
CHOL	MG/DL	48	+ 19	0	189	(599)
TRIG	MG/DL	61	+ 42	10	329	(745)
T.PROT. (C)	GM/DL	8.1	+ 0.8	5.8	11.3	(1227)
T.PROT. (R)	GM/DL	8.4	+ 0.4	7.8	9.2	(23)
ALBUMIN (C)	GM/DL	3.2	+ 0.5	1.9	4.7	(648)
GLOBULIN (C)	GM/DL	5.0	+ 1.0	2.7	8.6	(639)
AST (SGOT)	IU/L	22	+ 11	4	97	(1227)
ALT (SGPT)	IU/L	7	+ 8	0	72	(781)
T. BILI.	MG/DL	0.2	+ 0.2	0.0	1.2	(765)
D. BILI	MG/DL	0.1	+ 0.1	0.0	1.3	(233)
I. BILI.	MG/DL	0.1	+ 0.1	0.0	0.6	(224)
AMYLASE	U/L	3017	+ 2492	0	9866	(170)
ALK.PHOS.	IU/L	143	+ 66	28	641	(1157)
LDH	IU/L	655	+ 703	46	4769	(495)

Clinical Pathology Records Report - ISIS/In-House Reference Values

BUTTONWOOD PARK ZOO

Scientific name: **ELEPHAS MAXIMUS**

Common Name: **Asiatic elephant**

		ISIS Values				
		Mean	S.D.	Min.	Max.	(N)
CPK	IU/L	225 +	170	23	1260	(486)
OSMOLARITY	MOSMOL/L	264 +	29	0	325	(98)
ALPHA GLOB.	MG/DL	250.4 +	353.1	0.7	500.0	(2)
ALPHA-1 GLOB	MG/DL	0.8 +	0.1	0.7	1.0	(6)
ALPHA-2 GLOB	MG/DL	0.9 +	0.2	0.7	1.1	(6)
BETA GLOB.	MG/DL	1.0 +	0.6	0.6	1.4	(2)
Body Temperature:		36.3 +	0.5	36.0	37.0	(4)
CO2	MMOL/L	24.8 +	4.0	15.8	37.0	(230)
CORTISOL	UG/DL	2.0 +	1.0	0.5	5.4	(35)
ESR	MM/HR	98 +	32	53	130	(7)
FIBRINOGEN	MG/DL	371 +	181	0	810	(238)
GGT	IU/L	7 +	5	0	33	(314)
LIPASE	U/L	19 +	30	0	127	(53)
PROGESTERONE	NG/DL	18.82 +	62.45	0.020	346.0	(379)
TESTOSTERONE	NG/ML	20.34 +	27.95	0.570	40.10	(2)
A-TOCOPHEROL	UG/DL	19 +	15	0	42	(8)
TOTAL T4	MCG/DL	10.0 +	2.7	4.2	12.6	(10)
T3 UPTAKE	%	28 +	2	26	29	(2)
ALBUMIN (E)	GM/DL	4.1 +	0.6	3.5	4.9	(4)
GAMMA GLOB	GM/DL	2.9 +	2.9	0.0	9.0	(11)

Weight Records Report - Individual Specimen
BUTTONWOOD PARK ZOO

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: RUTH

Sex: Female Acc. #: 5
Birth: 29.Oct.1958

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Date	Weight	Age	Change	Overall
23.Sep.2011	3175 Kg (7000 Lb)	52.9 Y		

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Average: 3175 Kg (7000 Lb)

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