

Medical History Report - Summary for Individual Specimen
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO
=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966
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.....2000....

19.Jan Blood sample: (11:00.0)
Blood sample: (11:00.1)

Weight: 4168 Kg (9186 Lb)

7.Feb Clinical note recorded. (JOJ)

9.Feb Purpose/Problem: vitamin supplement

Rx: TOCOPHEROL, ALPHA 16672iu PO SID for 582 days. (4 IU/kg)

Clinical note recorded. (JOJ)

10.Feb Clinical note recorded. (DMC)

11.Mar Clinical note recorded. (JOJ)

12.Mar Clinical note recorded. (JOJ)

22.Mar Blood sample: (11:00.0)

19.Apr Blood sample: (10:00.0)

8.May Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

24.May Urine sample analysis results: (11:00.0)

6.Sep Blood sample: (11:00.0)

11.Oct Blood sample:

18.Oct Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

11.Dec Blood sample:

.....2001....

26.Feb PROBLEM: tuberculosis screening (onset)

Fluid sample analysis results:

Clinical note recorded. (JOJ)

27.Feb Fluid sample analysis results:

Clinical note recorded. (JOJ)

28.Feb Fluid sample analysis results:

Clinical note recorded. (JOJ)

8.Mar Blood sample: (11:00.0)

18.Apr Blood sample:

11.May PROBLEM: tuberculosis screening (resolved)

Clinical note recorded. (JOJ)

Medical History Report - Summary for Individual Specimen
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)                Sex: Female                Acc. #: 20073
Asiatic elephant                          Age: 39Y 1M Est.         Birth: 4.Nov.1966
Name: BAMBOO
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.....2001....

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18.May  Blood sample:
20.Jul  Blood sample:
17.Aug  Blood sample:
11.Sep  Clinical note recorded. (JOJ)
12.Sep  Purpose/Problem: tuberculosis screening; Vitamin E. supplement.
        Rx: TOCOPHEROL, ALPHA 9426iu PO SID for 122 days. (2.50 IU/kg)
        Clinical note recorded. (JOJ)
17.Oct  Blood sample: (11:00.0)
        Clinical note recorded. (JOJ)
21.Nov  Blood sample: (10:15.0)
                                           Weight: 3721 Kg ( 8201 Lb)
20.Dec  Blood sample: (12:10.0)

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.....2002....

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10.Jan  Clinical note recorded. (JOJ)
11.Jan  Purpose/Problem: Vitamin E supplementation.
        Rx: TOCOPHEROL, ALPHA 7442iu PO SID for 63 days. (2 IU/kg)
        Clinical note recorded. (JOJ)
17.Jan  Clinical note recorded. (JOJ)
23.Jan  Blood sample: (10:45.0)
20.Feb  Blood sample: (11:00.0)
13.Mar  Clinical note recorded. (JOJ)
14.Mar  Purpose/Problem: Vitamin E supplement
        Rx: TOCOPHEROL, ALPHA 5246iu PO SID until further notice. (1.5 IU/kg)
        Clinical note recorded. (JOJ)
22.Mar  Blood sample: (12:00.0)
        Clinical note recorded. (DMC)
                                           Weight: 3498 Kg ( 7710 Lb)
23.Mar  Clinical note recorded. (DMC)
26.Mar  PROBLEM: tuberculosis screening (onset)
        Clinical note recorded. (DMC)
19.Apr  Blood sample: ( 9:35.0)
14.May  Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.

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Medical History Report - Summary for Individual Specimen
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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.....2002....

- 14.May NO PARASITES SEEN
- 15.May Blood sample: (10:45.0)
- 22.May PROBLEM: tuberculosis screening (resolved)
Clinical note recorded. (JOJ)

- 14.Jun Clinical note recorded. (DMC)
- 28.Jun Blood sample: (EDTA) (10:40.0) Hematology/Chemistry/Serology results.
WBC:11.00 *10³/UL; HCT: 32.0%; BUN:16 MG/DL;

- 24.Jul Clinical note recorded. (JOJ)

- 21.Aug Blood sample: (10:00.0)

- 18.Sep Blood sample: (12:10.0)
- 27.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

- 16.Oct Blood sample: (10:30.0)

- 18.Dec Blood sample: (14:30.0)
Clinical note recorded. (JOJ)

Weight: 3448 Kg (7599 Lb)

.....2003....

- 1.Feb Clinical note recorded. (JOJ)
- 4.Feb Blood sample: (EDTA) (10:30.0) Hematology/Chemistry/Serology results.
WBC:12.90 *10³/UL; HCT: 32.0%; BUN:14 MG/DL;
Blood sample: (10:30.1)

- 21.Mar Blood sample: (14:30.0)
Purpose/Problem: West Nile Virus Vaccine
Vaccination: WEST NILE VIRUS VACCINE 1ml IM q30d for 2 doses.
Clinical note recorded. (JOJ)

- 29.Apr Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:12.90 *10³/UL; HCT: 33.8%; BUN:14 MG/DL;
Blood sample: (: 0.1)
- 30.Apr Blood sample:

- 9.May Clinical note recorded. (DMC)
- 10.May Clinical note recorded. (DMC)
- 13.May Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

Medical History Report - Summary for Individual Specimen
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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.....2004....

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11.Aug Vaccination: TETANUS TOXOID 5ml IM SID
        Clinical note recorded. (DKR)
        Clinical note recorded. (DMC)
12.Aug Clinical note recorded. (DKR)
17.Aug Clinical note recorded. (DKR)

3.Sep  Blood sample: (15:00.0)
                                           Weight: 3902 Kg ( 8600 Lb)

19.Oct Clinical note recorded. (DKR)
29.Oct  Blood sample: (14:45.0)
                                           Weight: 3811 Kg ( 8399 Lb)

8.Nov  Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
        NO PARASITES SEEN

21.Dec  Blood sample: (14:30.0)

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.....2005....

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21.Jan  Blood sample: ( 8:40.0)
                                           Weight: 3630 Kg ( 8001 Lb)

18.Mar  Blood sample: ( 8:45.0)

5.Apr  Clinical note recorded. ( )
6.Apr  Clinical note recorded. ( )
7.Apr  Clinical note recorded. ( )
21.Apr  Blood sample: ( 9:05.0)

3.May  Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
        NO PARASITES SEEN

2.Jun  Blood sample: (EDTA) ( 9:15.0) Hematology/Chemistry/Serology results.
        WBC:11.90 *10^3/UL; HCT: 41.0%; BUN:15 MG/DL;
        Blood sample: (EDTA) ( 9:15.1)
5.Jun  Blood sample: Chemistry results.
22.Jun  Clinical note recorded. (DKR)

12.Jul  PROBLEM: EXAMINATION, ROUTINE
        Clinical note recorded. ( )
        Clinical note recorded. (KEH)
19.Jul  Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
        NO PARASITES SEEN

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Medical History Report - Summary for Individual Specimen
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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.....2005...

22.Jul Blood sample:

10.Aug Clinical note recorded. (DKR)

18.Aug Blood sample: (10:30.0) Hematology/Chemistry/Serology results.

WBC:12.50 *10³/UL; HCT: 34.4%; BUN:18 MG/DL;

Purpose/Problem: pre ship prophylactic

Rx: PSYLLIUM HYDROPHILIC MUCILLOID 32oz PO (as a premix) SID for 7 days.

Clinical note recorded. (DKR)

Clinical note recorded. (KEH)

Weight: 3630 Kg (8001 Lb)

19.Aug Parasitology examination: (PRESHIPMENT EXAMINATION) Fecal sample.

NO PARASITES SEEN

Clinical note recorded. (DKR)

Weight: 3857 Kg (8501 Lb)

22.Aug

23.Aug PROBLEM: preshipment examination.

Purpose/Problem: skin crack (Confirmed)

Rx: ELECTROLYTES 4pac PO SID

Clinical note recorded. (●●●)

Clinical note recorded. (KEH)

24.Aug Clinical note recorded. (DKR)

25.Aug Removed from collection.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

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Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4168 Kg on 19.Jan.2000
Manual restraint used.

Date of Collection: 19.Jan.2000
Time of Collection: 11:00.0
Collected by: [REDACTED]
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: MICHIGAN STATE
Date of Analysis: 19.Jan.2000
Time of Analysis:
Analysis by: [REDACTED]
Automated analysis.

Tests and Results >>

VITAMIN E 0.85 UG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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Collection Information >>           Date of Collection: 19.Jan.2000
Health Status: Normal              Time of Collection: 11:00.1
Fasting Time: < 8 hours           Collected by: ████████
Activity: Calm                     Sample Collection Site: EAR VEIN
Weight: 4168 Kg on 19.Jan.2000
Manual restraint used.

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Chemistry >>
Analysis Information >>           Laboratory: MICHIGAN STATE
Chemistry Sample: Serum           Date of Analysis: 19.Jan.2000
Storage: Fresh                    Time of Analysis:
Sample Quality: No quality problems. Analysis by: LAB
Automated analysis.

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Tests and Results >>
                                VITAMIN E           0.85           UG/ML

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=====
ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO
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Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966
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Clinical Note: 7.Feb.2000
NVSL Results for mycobacterial trunk culture: No mycobacterium isolated
from trunk washes taken Nov 1,2,3, 1999. (JOJ)

Clinical Note: 9.Feb.2000
S: Serum Vitamin E levels from 1/26/00 were 0.83 micrograms/ml.
Plan: Increase dose to 4 IU/kg. Vitamin E level sent to Michigan State
University Lab.
Rx: TOCOPHEROL, ALPHA 16672 IU PO SID until further notice. (JOJ)

Purpose: vitamin supplement

Prescription Data >> Starting date: 9.Feb.2000
Drug: TOCOPHEROL, ALPHA 16672 IU PO SID for 582 days
Formulation: 500.00 IU/ml liquid
Prescribed by: JOJ (9.Feb.2000) Filled by: (9.Feb.2000)
Drug dosage: 4 IU/kg Treatment weight: 4168 kg

Comments >>
Originally prescribed until further notice.
Discontinued on 12.Sep.2001.
Dose changed per J.J.; new prescription started.

Clinical Note: 10.Feb.2000
S/O: Reported by Keepers (): "worked on right rear foot
today; found a fairly deep pocket on the inside nail; cleaned it out,
removed all the black tissue; will KUO; note her rear pads are
starting to get pretty thin; need to call and have her booties
returned from Aircarrier Interiors"... (DMC)

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Clinical Note:

11.Mar.200

S/O: Fed out bamboo at 16:15 to herd and at 17:00 this animal started showing signs of colic, shifting weight on rear legs. Examined at 17:30.

Rx: 90 mls Banamine PO; 3 gals mineral oil with 30 liters bran offered. Plan: Night keeper to monitor over night. (JOJ)

Clinical Note:

12.Mar.200

S/O: Ate well over night and back to normal. No further RX needed. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4111 Kg on 14.Mar.2000
Manual restraint used.

Date of Collection: 22.Mar.2000
Time of Collection: 11:00.0
Collected by: ████████
Sample Collection Site: EAR VEIN

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

Laboratory: MICHIGAN STATE
Date of Analysis: 22.Mar.2000
Time of Analysis:
Analysis by: LAB
Automated analysis.

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Tests and Results >>
                                VITAMIN E           3.73           UG/ML

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4182 Kg on 30.Mar.2000
Manual restraint used.

Date of Collection: 19.Apr.2000
Time of Collection: 10:00.0
Collected by: 
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: MICHIGAN STATE
Date of Analysis: 19.Apr.2000
Time of Analysis:
Analysis by: LAB
Automated analysis.

Tests and Results >>

VITAMIN E 3.73 UG/ML

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Parasitology Examination:

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

Sample id.: 2000-0331
Date collected: 8.May.2000
Time collected: 11:00
Collected by: [REDACTED]

Collected from:
From an individual specimen.

Enclosure: ELE4

Examination Data >>
Storage: room temperature
Consistency: formed
Gross appearance: Typical

Date examined: 8.May.2000
at: 15:00
by: [REDACTED]

Tests & Results >>

DIRECT MICROSCOPIC EXAMINATION NO PARASITES SEEN
FLOATATION - NA NITRATE NO PARASITES SEEN

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

Collection Information >>
Health Status: Normal

Date of Collection: 24.May.2000
Time of Collection: 11:00.0
Collected by: [REDACTED]

Sample Collection Site: Mid-stream catch

Weight: 4182 Kg on 30.Mar.2000

Analysis Information >>

Sample type: Urine
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: URINALYSIS
Date of Analysis: 24.May.2000
Time of Analysis: 12:4
Analysis by: [REDACTED]
Manual analysis.

Tests and Results >>

APPEARANCE	CLOUDY	
BACTERIA	0	
BILIRUBIN	NEG	
BLOOD	NEG	
CASTS	0	
COLOR	YELLOW	
CRYSTALS	FEW	
DEBRIS	SL	
EPITH CELLS	0	
KETONES	NEG	
PH	9.0	
PROTEIN	NEG	MG
RBC'S	0	
SPECIFIC GRAVITY	1.030	
URINE GLUCOSE	NORMAL	MG/DL
URINE HEMOGLOBIN	NEG	ERY/UL
UROBILINOGEN	NORMAL	MG/DL
WBC'S	0	

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4052 Kg on 29.Aug.2000
Manual restraint used.

Date of Collection: 6.Sep.2000
Time of Collection: 11:00.0
Collected by: ██████████
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: MICHIGAN STATE
Date of Analysis: 6.Sep.2000
Time of Analysis:
Analysis by: LAB
Automated analysis.

Tests and Results >>

VITAMIN E 2.16 UG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3954 Kg on 12.Sep.2000
Manual restraint used.

Date of Collection: 11.Oct.2000
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 13.Oct.2000
Time of Analysis:
Analysis by: LAB
Automated analysis.

Tests and Results >>

VITAMIN E	2.08	UG/ML
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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

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Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

Parasitology Examination:

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

Sample id.: 2000-0915
Date collected: 18.Oct.2000
Time collected: 11:00
Collected by: [REDACTED]

Collected from:
From an individual specimen.

Examination Data >>
Storage: room temperature
Consistency: Not specified
Gross appearance: Typical

Date examined: 19.Oct.2000
by: LAB

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

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====
ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO
=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966
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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3950 Kg on 15.Oct.2000
Manual restraint used.

Date of Collection: 11.Dec.2000
Time of Collection:
Collected by:

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: AHDL - LANSING
Date of Analysis: 20.Dec.2000
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E 2.0 UG/ML

Comments >>

Animal Health Diagnostic lab
Lansing Mi
Case # 2357387
()

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Clinical Note:

26.Feb.2001

Problem: tuberculosis screening
TB test (Elephant): Trunk Wash for mycobacterial cultures. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

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Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

Collection Information >>
Health Status: Normal

Date of Collection: 26.Feb.2001
Time of Collection:
Collected by:
Sample Collection Site: TRUNK WASH

Weight: 3755 Kg on 11.Feb.2001

Analysis Information >>

Sample type: Other
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory: NVSL
Date of Analysis: 7.Mar.2001
Time of Analysis:
Analysis by: LAB
Automated analysis.

Tests and Results >>

M. TUBERCULOSIS NEG

Comments >>

NVSL case #012740

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Clinical Note:

27.Feb.2001

Problem: tuberculosis screening
TB test (Elephant): Trunk Wash for mycobacterial cultures. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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Collection Information >>

Health Status: Normal

Weight: 3755 Kg on 11.Feb.2001

Date of Collection: 27.Feb.2001

Time of Collection:

Collected by:

Sample Collection Site: TRUNK WASH

Analysis Information >>

Sample type: Other

Storage: Not recorded

Sample Quality: No quality problems.

Laboratory: NVSL

Date of Analysis: 7.Mar.2001

Time of Analysis:

Analysis by: LAB

Automated analysis.

Tests and Results >>

M. TUBERCULOSIS NEG

Comments >>

NVSL case #012745

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Clinical Note:

28.Feb.2001

Problem: tuberculosis screening
TB test (Elephant): Trunk Wash for mycobacterial cultures (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

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Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Collection Information >>
Health Status: Normal

Date of Collection: 28.Feb.2001
Time of Collection:
Collected by:
Sample Collection Site: TRUNK WASH

Weight: 3755 Kg on 11.Feb.2001

Analysis Information >>

Sample type: Other
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory: NVSL
Date of Analysis: 7.Mar.2001
Time of Analysis:
Analysis by: LAB
Automated analysis.

Tests and Results >>

M. TUBERCULOSIS NEG

Comments >>

NVSL case #012750

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
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Collection Information >>
Health Status: Normal                Date of Collection: 8.Mar.2001
Fasting Time: < 8 hours              Time of Collection: 11:00.0
Activity: Calm                        Collected by:
Weight: 3755 Kg on 11.Feb.2001       Sample Collection Site: EAR VEIN
Manual restraint used.

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum              Laboratory: MICHIGAN STATE
Storage: Frozen at -20.6C (-5.1F)   Date of Analysis: 13.Mar.2001
Sample Quality: No quality problems. Time of Analysis:
                                      Analysis by: LAB
                                      Automated analysis.

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Tests and Results >>
                                VITAMIN E           1.85           UG/ML

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Comments >>
Sample from serum/tissue bank: EB25 34 . (#6086)

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 29.Mar.2001
Manual restraint used.

Date of Collection: 18.Apr.2001
Time of Collection:
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 20.Apr.2001
Time of Analysis:
Analysis by: LAB
Automated analysis.

Tests and Results >>

VITAMIN E 1.17 UG/ML

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

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Clinical Note:

11.May.200

Problem: tuberculosis screening
NVSL Results for mycobacterial trunk culture: No mycobacterium isolated
from all three trunk washes. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3729 Kg on 25.Apr.2001
Manual restraint used.

Date of Collection: 18.May.2001
Time of Collection: :
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 22.May.2001
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E	1.42	UG/ML
-----------	------	-------

Comments >>

MSU Case # 2433903

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Collection Information >>
 Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Weight: 3771 Kg on 29.May.2001
 Manual restraint used.

Date of Collection: 20.Jul.2001
 Time of Collection:
 Collected by:

Chemistry >>
 Analysis Information >>
 Chemistry Sample: Serum
 Storage: Frozen at -20.6C (-5.1F)
 Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
 Date of Analysis: 24.Jul.2001
 Time of Analysis:
 Analysis by:
 Automated analysis.

Tests and Results >>

VITAMIN E	1.51	UG/ML
-----------	------	-------

Comments >>
 Case # 2461764

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3771 Kg on 29.May.2001
Manual restraint used.

Date of Collection: 17.Aug.2001
Time of Collection:
Collected by:

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 30.Aug.2001
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E	1.65	UG/ML
-----------	------	-------

Comments >>

AHDL Michigan State case number 2477663

=====
ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female
Age: 39Y 1M Est.
Acc: #: 20073
Birth: 4.Nov.1966
=====

Clinical Note:

11.Sep.2001

S: Vitamin E results were 1.65 microgram/ml from Vitamin E level sent to Michigan State University Lab. Animal has been on a diet and has lost some weight. Will also readjust for new weight. Vitamin E level sent to Michigan State University Lab.

Plan: Decreased Vitamin E dose from 4 IU/kg to 2.5 IU/kg. (JOJ)

Clinical Note:

12.Sep.2001

Rx: TOCOPHEROL, ALPHA 9426 IU PO SID until further notice. (JOJ)

Purpose: tuberculosis screening
Vitamin E. supplement.

Prescription Data >>

Starting date: 12.Sep.2001

Drug: TOCOPHEROL, ALPHA 9426 IU PO SID for 122 days

Formulation: 500.00 IU/ml liquid

Prescribed by: JOJ (12.Sep.2001)

Filled by: [redacted] (12.Sep.2001)

Drug dosage: 2.50 IU/kg

Treatment weight: 3770 kg

Comments >>

Originally prescribed until further notice.

Discontinued on 11.Jan.2002

Clinical Note:

17.Oct.2001

Proc: Rebled for Vitamin E which came back at 1.83 micrograms/ml.

Plan: Retest in a month. Vitamin E level sent to Michigan State University Lab. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3771 Kg on 29.May.2001
Manual restraint used.

Date of Collection: 17.Oct.2001
Time of Collection: 11:00.0
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 17.Oct.2001
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E	1.63	UG/ML
-----------	------	-------

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====


ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3721 Kg on 21.Nov.2001
Manual restraint used.

Date of Collection: 21.Nov.2001
Time of Collection: 10:15.0
Collected by: 

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 21.Nov.2001
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E 1.71 UG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

- page 28 -

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female
Age: 39Y 1M Est. Birth: 4.Nov.1966
Acc. #: 20073

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3721 Kg on 21.Nov.2001
Manual restraint used.

Date of Collection: 20.Dec.2001
Time of Collection: 12:10.0
Collected by: [REDACTED]
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 8.Jan.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E	1.65	UG/ML
-----------	------	-------

Comments >>

MSU# 2526272.

=====
ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO
=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

Clinical Note:

10.Jan.2002

S: Blood test for Vitamin E from 11/21/01 is 1.71 micrograms/ml.
Plan: Will decrease dose to 2 IU/kg. Vitamin E level sent to Michigan
State University Lab. (JOJ)

Clinical Note:

11.Jan.2002

Rx: TOCOPHEROL, ALPHA 7442 IU PO SID until further notice. (JOJ)

Purpose: Vitamin E supplementation.

Prescription Data >>

Starting date: 11.Jan.2002

Drug: TOCOPHEROL, ALPHA 7442 IU PO SID for 63 days

Formulation: 500.00 iu/ml liquid

Prescribed by: JOJ (11.Jan.2002)

Filled by: (11.Jan.2002)

Drug dosage: 2 IU/kg

Treatment weight: 3721 kg

Comments >>

Originally prescribed until further notice.

Discontinued on 14.Mar.2002

New dosage started see new Rx

Clinical Note:

17.Jan.2002

S: Vitamin E level sent to Michigan State University Lab. Serum
Vitamin E levels from Dec 20, 2001 were 1.65 micrograms/ml. Vitamin E
dose was recently lowered.

O: Animal has been on a diet and looks in good weight. Discussed with
keepers to maintain weight and to work on exercise program for this
month. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3721 Kg on 21.Nov.2001
Manual restraint used.

Date of Collection: 23.Jan.2002
Time of Collection: 10:45.0
Collected by: [REDACTED]
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 4.Feb.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E	1.49	UG/ML
-----------	------	-------

Comments >>

MSU #2536319.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS


```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3721 Kg on 21:Nov.2001
Manual restraint used.

Date of Collection: 20.Feb.2002
Time of Collection: 11:00.0
Collected by: 
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 1.Mar.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E	2.36	UG/ML
-----------	------	-------

Comments >>

MSU #2548404.

=====

ELEPHAS MAXIMUS (no subsp)	Sex: Female	Acc. #: 20073
Asiatic elephant	Age: 39Y 1M Est.	Birth: 4.Nov.1966
Name: BAMBOO		

=====

Clinical Note: 13.Mar.2002
S/O: Animal's weight is now 7708 pounds down from last dosed weight of 8186 pounds on 11 Jan 2002. Her weight looks good. Keepers are increasing the amount of hay being given to her. Blood collected on Feb 20, 2002 sent for Vitamin E level sent to Michigan State University Lab. Results are 2.36 micrograms/ml.
Plan: Decrease dose to 1.5 IU/kg and adjust to new weight. (JOJ)

Clinical Note: 14.Mar.2002
Rx: TOCOPHEROL, ALPHA 5246 IU PO SID until further notice. (JOJ)

Purpose: Vitamin E supplement

Prescription Data >> Starting date: 14.Mar.2002
Drug: TOCOPHEROL, ALPHA 5246 IU PO SID until further notice
Formulation: 500 IU/ml liquid
Prescribed by: JOJ (14.Mar.2002) Filled by: [REDACTED] (14.Mar.2002)
Drug dosage: 1.5 IU/kg Treatment weight: 3497 kg

Clinical Note: 22.Mar.2002
TB test (Elephant): Trunk Wash for mycobacterial cultures: 1 of 3.
Vitamin E level sent to Michigan State University Lab. (DMC)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3498 Kg on 22.Mar.2002
Manual restraint used.

Date of Collection: 22.Mar.2002
Time of Collection: 12:00.0
Collected by: ██████████
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 26.Mar.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E 1.46 UG/ML

Comments >>

Monthly testing.
MSU # 2564944.

=====
ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO
=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966
=====

Clinical Note: 23.Mar.2000
TB test (Elephant): Trunk Wash for mycobacterial cultures: 2 of 3. (DMC)

Clinical Note: 26.Mar.2000
Problem: tuberculosis screening
TB test (Elephant): Trunk Wash for mycobacterial cultures: 3 of 3. (DMC)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3498 Kg on 22.Mar.2002
Manual restraint used.

Date of Collection: 19.Apr.2002
Time of Collection: 9:35.0
Collected by: XXXXXXXXXX
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 6.May.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E 1.19 UG/ML

Comments >>

Routine. MSU# 2581807.

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Parasitology Examination:

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2002-0355
Date collected: 14.May.2002

Collected from:

From an individual specimen.

Enclosure: ELI3

Examination Data >>

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

Date examined: 14.May.2002
at: 14:30
by: [REDACTED]

Tests & Results >>

FLOATATION - NA NITRATE

NO PARASITES SEEN

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3498 Kg on 22.Mar.2002
Manual restraint used.

Date of Collection: 15.May.2002
Time of Collection: 10:45.0
Collected by: XXXXXXXXXX
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C. (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 17.May.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E	1.21	UG/ML
-----------	------	-------

Comments >>

Routine.
MSU #2594797.


```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Clinical Note:

22.May.200

Problem: tuberculosis screening
S: NVSL Results for mycobacterial trunk culture: No mycobacterium isolated from truck washes collected March 22, 23, 24, 2002. (JOJ)

Clinical Note:

14.Jun.200

Ultrasonography: Dennis Schmitt, DVM, PhD

Bamboo: 35-year-old female Asian elephant. Unsatisfactory Potential Breeding Candidate. The caudal reproductive tract was examined and a few small leiomyomas were noted. Several leiomyomas about 1 cm in diameter were seen in the uterus. While not a significant health concern, the presence of the leiomyomas preclude her from normal conception and gestation. Because the cow was not completely comfortable with the exam and the descending colon was not relaxed, I was unable to examine the ovaries. (DMC)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female
Age: 39Y 1M Est. Birth: 4.Nov.1966
Acc. #: 20073

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3498 Kg on 22.Mar.2002
Manual restraint used.

Date of Collection: 28.Jun.2002
Time of Collection: 10:40.0
Collected by: [REDACTED]
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: WPZ
Date of Analysis: 28.Jun.2002
Time of Analysis: 14:30
Analysis by: [REDACTED]
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	11.0		*10 ³ /UL
HEMATOCRIT	32		%
SEGMENTED NEUTROPHILS	27	(2.970)	% (*10 ³ /UL)
LYMPHOCYTES	21	(2.310)	% (*10 ³ /UL)
MONOCYTES	52	(5.720)	% (*10 ³ /UL)
ESTIMATED PLATELET COUNT	NORM		
TOTAL SOLIDS	7.6		G/DL

Morphology Results >>

ANISOCYTOSIS 1+

Comments >>

Annual protocol.
Vitamin E performed by MSU, #2617080.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

```

=====
ELEPHAS MAXIMUS (no subsp)                Sex: Female                Acc. #: 20073
Asiatic elephant                          Age: 39Y 1M Est.         Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3498 Kg on 22.Mar.2002
Manual restraint used.

Date of Collection: 28.Jun.2002
Time of Collection: 10:40.0
Collected by: XXXXXXXXXX
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: WPZ
Date of Analysis: 29.Jun.2002
Time of Analysis: 14:22
Analysis by: XXXXXXXXXX
Automated analysis.

Tests and Results >>

GLUCOSE	85	MG/DL
BLOOD UREA NITROGEN	15.7	MG/DL
CREATININE	1.3	MG/DL
BUN/creatinine ratio	12.1	
URIC ACID	<1.0	MG/DL
CALCIUM	11.0	MG/DL
PHOSPHORUS >>	8.2	MG/DL
calcium/phosphorus ratio	1.34	
CHOLESTEROL	<50	MG/DL
TOTAL PROTEIN (COLORIMETRY)	8.4	GM/DL
ALBUMIN (COLORIMETRY)	3.2	GM/DL
GLOBULIN (COLORIMETRY)	5.2	GM/DL
albumin/globulin ratio	0.615	
ASPARTATE AMINOTRANSFERASE	19	IU/L
ALANINE AMINOTRANSFERASE	0	IU/L
TOTAL BILIRUBIN	0.1	MG/DL
AMYLASE	N.R.	U/L
ALKALINE PHOSPHATASE <	72	IU/L
CREATINE PHOSPHOKINASE	187	IU/L
GAMMA GLUTAMYLTRANSFERASE	10	IU/L
VITAMIN E	1.24	UG/ML

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Clinical Note:

24.Jul.2002

Vitamin E level sent to Michigan State University Lab on June 28, 2002
werw 1.24 micrograms/ml.
Plan: Stay at present dosage. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3658 Kg on 9.Aug.2002
Manual restraint used.

Date of Collection: 21.Aug.2002
Time of Collection: 10:00.0
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 28.Aug.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

VITAMIN E 1.23 UG/ML

Comments >>

MSU# 2638178.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

```

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3658 Kg on 9.Aug.2002
Manual restraint used.

Date of Collection: 18.Sep.2002
Time of Collection: 12:10.0
Collected by: ████████
Sample Collection Site: EAR VEIN

```

```

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 24.Sep.2002
Time of Analysis:
Analysis by:
Automated analysis.

```

```

Tests and Results >>
                                VITAMIN E           1.18           UG/ML

```

```

Comments >>
MSU # 2650094.

```


=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Parasitology Examination:

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2002-0847
Date collected: 27.Sep.2002
Time collected: 10:00
Collected by: █████

Collected from:

From an individual specimen.

Enclosure: ELI3

Examination Data >>

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

Date examined: 27.Sep.2002
at: 15:30
by: █████

Tests & Results >>

FLOATATION - NA NITRATE

NO PARASITES SEEN

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3446 Kg on 12.Oct.2002
Manual restraint used.

Date of Collection: 16.Oct.2002
Time of Collection: 10:30.0
Collected by: XXXXXXXXXX
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: MICHIGAN STATE
Date of Analysis: 25.Oct.2002
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

BORON-MSU	<1.00	PPM
CALCIUM-MSU	99.4	PPM
COPPER-MSU	1.07	PPM
CROMIUM-MSU	<0.100	PPM
GLUTATHIONE PEROXIDASE, WHOLE BLOOD	32.70	EU/ML
GLUTATHIONE PEROXIDASE/HGB	371.59	EU/GHB
HEMOGLOBIN(GLUTATHIONE PEROXIDASE)	8.80	GHB/DL
IRON-MSU	0.587	PPM
MAGNESIUM-MSU	24.0	PPM
MANGANESE-MSU	<0.005	PPM
MOLYBDENUM-MSU	<0.010	PPM
PHOSPHORUS-MSU	31.3	PPM
POTASSIUM-MSU	173	PPM
SELENIUM-MSU	96	NG/ML
SODIUM-MSU	2850	PPM
VITAMIN E	1.41	UG/ML
ZINC-MSU	0.525	PPM

Comments >>

Their database on the elephant shows the following (in ppm, mean, low-high): calcium, 103, 76-128; copper 0.94, 0.29-1.5; iron 0.64, <0.5-1.15; magnesium, 25, 16-35; phosphorus, 50, 37-71; sodium 2930, 2190-3420; potassium, 196, 153-327; zinc 1.23, 0.35-3.33. No reference values are available for elephants for manganese or molybdenum.
Glutathione peroxidase testing: the values displayed are from triple washed erythrocytes. The whole blood values are 22.6 EU/ml, 8.8 gHB/dl and 257 EU/gHB.

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Clinical Note:

18.Dec.200

Proc: Bled for Vitamin E levels.

S: Vitamin E level sent to Michigan State University Lab. Results were
1.22 micrograms/ml.

Plan: Keep dose at the same rate. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

```

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3448 Kg on 18.Dec.2002
Manual restraint used.

Date of Collection: 18.Dec.2002
Time of Collection: 14:30.0
Collected by: ████████
Sample Collection Site: EAR VEIN

```

```

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 10.Jan.2003
Time of Analysis:
Analysis by:
Automated analysis.

```

```

Tests and Results >>
                                VITAMIN E           1.22           UG/ML

```

```

Comments >>
MSU # 2694590.

```


=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Clinical Note:

1.Feb.2003

S: Earlier blood tests from October 16 were low for the whole blood run on triple washed erythrocytes glutathamine peroxidase as follows: 22.6 EU/ml (normal 32.7 EU/ml), gluta px/HGB: 257 EU/GHB (normal 371.59 EU/HGB), HGB glutamine: 8.8 GHB/dl (normal 8.8 GHB/dl).
Plan: Rebled for full blood screen. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3577 Kg on 25.Jan.2003
Manual restraint used.

Date of Collection: 4.Feb.2003
Time of Collection: 10:30.0
Collected by: ██████████
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: WPZ
Date of Analysis: 4.Feb.2003
Time of Analysis: 13:00
Analysis by: ██████████
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	12.9		*10 ³ /UL
HEMATOCRIT	32		%
SEGMENTED NEUTROPHILS	38	(4.902)	% (*10 ³ /UL)
LYMPHOCYTES	16	(2.064)	% (*10 ³ /UL)
MONOCYTES	41	(5.289)	% (*10 ³ /UL)
EOSINOPHILS	5	(0.645)	% (*10 ³ /UL)
ESTIMATED PLATELET COUNT	IN SL		

Comments >>

Recheck mineral and vitamin levels.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3577 Kg on 25.Jan.2003
Manual restraint used.

Date of Collection: 4.Feb.2003
Time of Collection: 10:30.0
Collected by:
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: WPZ
Date of Analysis: 4.Feb.2003
Time of Analysis: 13:17
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	82	MG/DL
BLOOD UREA NITROGEN	13.6	MG/DL
CREATININE	1.2	MG/DL
BUN/creatinine ratio	11.3	
URIC ACID	<1.0	MG/DL
CALCIUM	< 9.5	MG/DL
PHOSPHORUS	5.7	MG/DL
calcium/phosphorus ratio	1.67	
CHOLESTEROL	<50	MG/DL
TOTAL PROTEIN (COLORIMETRY)	8.7	GM/DL
ALBUMIN (COLORIMETRY)	3.2	GM/DL
GLOBULIN (COLORIMETRY)	5.6	GM/DL
albumin/globulin ratio	0.571	
ASPARTATE AMINOTRANSFERASE	21	IU/L
ALANINE AMINOTRANSFERASE	0	IU/L
TOTAL BILIRUBIN	0.1	MG/DL
AMYLASE	N.R.	U/L
ALKALINE PHOSPHATASE	< 66	IU/L
CREATINE PHOSPHOKINASE	148	IU/L
GAMMA GLUTAMYLTRANSFERASE	3	IU/L

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 20073
Asiatic elephant                     Age: 39Y 1M Est.     Birth: 4.Nov.1966
Name: BAMBOO
=====

```

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3577 Kg on 25.Jan.2003
Manual restraint used.

Date of Collection: 4.Feb.2003
Time of Collection: 10:30.1
Collected by: XXXXXXXXXX
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: MICHIGAN STATE
Date of Analysis: 5.Feb.2003
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

BORON-MSU	<1.0	PPM
CALCIUM-MSU	104	PPM
COPPER-MSU	1.08	PPM
CHROMIUM-MSU	<0.1	PPM
GLUTATHIONE PEROXIDASE, WHOLE BLOOD	36.69	EU/ML
GLUTATHIONE PEROXIDASE/HGB	291.19	EU/GHB
HEMOGLOBIN(GLUTATHIONE PEROXIDASE)	12.60	GHB/DL
IRON-MSU	0.512	PPM
MAGNESIUM-MSU	25.6	PPM
MANGANESE-MSU	0.012	PPM
MOLYBDENUM-MSU	<0.010	PPM
PHOSPHORUS-MSU	47.8	PPM
POTASSIUM-MSU	199	PPM
SELENIUM-MSU	75	NG/ML
SODIUM-MSU	3080	PPM
VITAMIN E	1.24	UG/ML
ZINC-MSU	0.598	PPM

Comments >>

Recheck mineral and vitamin levels.
MSU# 2708427.

MSU database on the elephant shows the following (in ppm, mean, low-high): calcium, 103, 76-128; copper 0.94, 0.29-1.5; iron 0.64, <0.5-1.15; magnesium, 25, 16-35; phosphorus, 50, 37-71; sodium 2930, 2190-3420; potassium, 196, 153-327; zinc 1.23, 0.35-3.33.

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Clinical Note:

21.Mar.200

Rx: WEST NILE VIRUS VACCINE 1 ml IM q30d for 2 doses. (JOJ)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: BAMBOO


=====

Sex: Female Acc. #: 20073
Age: 39Y 1M Est. Birth: 4.Nov.1966

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3577 Kg on 25.Jan.2003
Manual restraint used.

Date of Collection: 21.Mar.2003
Time of Collection: 14:30.0
Collected by: 
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -20.6C (-5.1F)
Sample Quality: No quality problems.

Laboratory: MICHIGAN STATE
Date of Analysis: 2.Apr.2003
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

	VITAMIN E	1.49	UG/ML
	WEST NILE VIRUS (SN)	1:20-	

Comments >>

MSU # 2732083.
pre-WNV performed at Cornell # 93351-03.

Medical History Report - Individual Specimen
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)	Sex: Female	Acc. #: 20073
Asiatic elephant	Age: 39Y 1M Est.	Birth: 4.Nov.1966
Name: BAMBOO		

=====

Purpose: West Nile Virus Vaccine

Prescription Data >> Starting date: 21.Mar.2003
Drug: WEST NILE VIRUS VACCINE 1 ml IM q30d for 2 doses
Formulation: injectable
Prescribed by: JOJ (21.Mar.2003) Filled by: [REDACTED] (21.Mar.2003)
Treatment weight: 3577 kg
