

Clinical Notes - Individual Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

=====

.....2008...

16.Apr.2008

Transrectal ultrasound for pregnancy detection by Dennis Schmidt, DVM, elephant reproduction specialist. Uterine development noted with increased vascularity, however no embryo/fetus detected. Not all of uterus is accessible due to its size and dropped down over rim of pelvis. Developing embryo suspected to be out of reach. Recent serum progesterone levels are elevated.

A: Pregnancy suspected

P: continue serum hormone monitoring (JEO)

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Sex: Female
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Acc. #: 21113

.....2008...

17.Apr.2008

Problem: abscess - right front foot (Confirmed); CULTURE, DIAGNOSTIC -
right front foot; EXAMINATION, ROUTINE ; VENIPUNCTURE

Exam to evaluate possible draining tract lateral RF foot.

Exam, routine: KPR staff noted a raised tender area between D3 and D4 of the RF foot. On exam, there is a focal area of swelling along the lateral aspect of the D3-D4 interdigital space, slightly reddened and tender to the touch, with expression of some purulent material on palpation. KPR for flushing without visible discomfort; little material came out. A routine CBC/panel was collected earlier today for testing, and was independent of today's RF findings.

Culture/RF draining tract - to PHX for aerobic and anaerobic culture with sensitivity.

For the DKR:

There is a draining tract along the lateral aspect between digits 3 and 4 of the right front foot. A sample is submitted for bacterial culture and sensitivity. Radiographs will be scheduled to evaluate the tract further. Systemic antibiotics may be indicated based on results of routine CBC/panel and culture results.

1. Please soak the foot 1-2 times daily for 10-20 minutes in warm water + Epsom salts.
2. Please flush the tract 1-2 times daily with 10-12 ml of hydrogen peroxide.
3. Open the tract as appropriate during routine foot trims.
4. Please schedule a recheck vet exam in 7-10 days.

Rx: EPSOM SALTS ppm topically BID for 21 days.

Rx: HYDROGEN PEROXIDE 360.0 mg topically BID for 21 days. (KEH)

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.....2008....

17.Apr.2008

Problem: abscess - right front foot (Confirmed); CULTURE, DIAGNOSTIC -
right front foot; EXAMINATION, ROUTINE ; VENIPUNCTURE
OUTSIDE LABORATORY
MICROBIOLOGY FORM

DATE COLLECTED: 17 April 2008
DATE SUBMITTED: 17 April 2008
SAMPLE SOURCE: toe abscess
LAB: Phoenix
LAB ID#: 0804170673

RESULTS: Culture & Sensi, Aerobic

Date: 4/20/2008

1 Source TOE ABSCESS

Microscopic GRAM STAIN RESULTS:

Debris, light

Gram positive cocci, moderate

Gram negative rods, moderate

Organism Strep. agalactiae (Group B streptococcus)

Quantity Heavy growth

Comment Sensitivities are not usually performed on this organism.

Ampicillin and penicillin are the antibiotics of choice.

Organism Mixed flora

Quantity Light growth

Comment No predominant organism or pathogen noted.

SENSITIVITY NOT INDICATED

MIXED FLORA INCLUDES: THREE GRAM NEGATIVE RODS,

COAGULASE NEGATIVE STAPH AND ALPHA HEMOLYTIC

STREP.

NO SALMONELLA ISOLATED []
NO SHIGELLA ISOLATED []
NO CAMPYLOBACTER ISOLATED []

COMMENTS: (*MI)

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.....2008....

24.Apr.2008

Problem: abscess - right front foot (Confirmed); EXAMINATION, RECHECK ;
leukocytosis (Confirmed)

Recheck exam for draining tract lateral RF foot. KPR staff have
observed additional openings in the dorsal portion of the draining
pocket and have been flushing, cleaning, and curetting as needed to
maintain drainage. Earlier recheck CBC/panel does not indicate
systemic involvement. Culture results show a mixed flora, with Strep
agalactiae as the predominant organism.

Exam, recheck: There is still visible swelling between the lateral
aspects of D3-D4 and initial drainage port with proliferative tissue
appears somewhat improved. Dorsal to this, two smaller drainage holes
have developed and all 3 are connected. Attitude, appetite, and
activity level remain normal. No signs of lameness.

Blood sample collected - EDTA and serum. In-house recheck CBC detects
and elevating WBC.

For the DKR:

There continues to be purulent material expressed from a draining
tract between D3 and D4 of the RF foot. The material is very thick
and difficult to express from the draining tract. Continued flushing
will help move out this material; topical antibiotic (cloxacillin) was
also added. Oral antibiotics are initiated for an elevated WBC.
Survey foot radiographs with contrast radiographs in the next few
days.

Rx: CLOXACILLIN 500 mg topically SID for 21 days.
Rx: AMPICILLIN TRIHYDRATE 50 gm PO BID for 21 days. (KEH)

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.....2008....

27.Apr.2008

Problem: abscess - right front foot (Confirmed); leukocytosis (Confirmed);
EXAMINATION, RECHECK

Recheck exam for draining tract lateral RF foot. KPR report low compliance with oral antibiotics prescribed for elevated WBC. Still no observable changes in attitude, activity level or appetite, still no indication of lameness.

Exam, recheck: The previously noted swelling is reduced, possibly due to the expression of material last exam, very little material expressed by KPR staff during daily treatments, openings appear to be closing in and flushing is becoming difficult.

For the DKR:

Some reduction in swelling over RF lesion, will try and open draining tracts up tomorrow to facilitate better topical treatment. Will investigate alternate methods of ampicillin administration. Radiographs are scheduled. (KEH)

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.....2008...

28.Apr.2008

Problem: abscess - right front foot (Confirmed); leukocytosis (Confirmed);
EXAMINATION, RECHECK; VENIPUNCTURE

Recheck exam for draining tract RF foot and recheck CBC/panel.

Exam, recheck: The swelling continues to be reduced and careful probing of the pocket suggests it may be reduced in size, only a small amount of purulent material expressed today, most palmar draining tract looks as if redundant tissue is receding/can be curetted, daily treatments will need to continue. Recheck CBC/panel shows resolving WBC.

For the DKR:

No significant change in past 24 hr (not expected), exploration of pocket to help assess size and placement of contrast media for tomorrow's fistulogram. Recheck CBC/panel shows resolving WBC.

(KEH)

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Name: CHAI		

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.....2008...

29.Apr.2008

Problem: abscess - right front foot (Confirmed); RADIOGRAPH, CONTRAST - right front foot; RADIOGRAPH, SURVEY - right front foot
Radiographs to evaluate draining tract RF foot. Lesion is actually between D4 and D5, not D3 and D4 as previously noted in records.

Radiographs/survey and fistulogram: Positioning was not ideal and not all skeletal structures were highlighted. Patient compliance, while good for the radiographs, was not continued through the fistulogram and insufficient contrast material was present for diagnostic purposes. Last set of baseline films were used for comparison and no overt signs of osteomyelitis observed today, but survey films will need to be repeated.

Oral acceptance of antibiotics remain poor but there is a decline in WBC. Compounding pharmacy has been contacted and a rectal amoxicillin suppository can be prepared. This would be a new administration route for amoxicillin. Bank serum for future levels?

For the DKR:

Survey and contrast radiographs of the RF foot were attempted today with partial results. While no overt signs of osteomyelitis are present, survey radiographs should be repeated. Due to poor oral acceptance of antibiotics, a rectal suppository will be prepared by our compounding pharmacy for antibiotic administration. (KEH)

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.....2008....

2.May.2008

Problem: abscess - right front foot (Confirmed)
Rectal amoxicillin suppositories (50gm) are delivered and ready for
KPR staff to try and see if this formulation will work.

Rx: AMOXICILLIN TRIHYDRATE 50 gm rectally BID for 1 dose. (KEH)

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=====

.....2008....

3.May.2008

Problem: abscess - right front foot (Confirmed)
EEHV testing update. EEHV titer negative on PCR. Clinically normal elephant. Sample is from blood obtained 24Apr08.

03May. This elephant remains clinically normal with no abnormalities on bloodwork. To date, no evidence of EEHV in this patient. Continue to submit EEHV samples for PCR on all 3 elephants to see obtain more data to assist with interpretation.

Current treatment/diagnostic plan:

1. CBC/panel/fibrinogen every other day x 10 days
2. EEHV serum/EDTA every other day x 10 days
3. Fecal bacterial culture SID x 5 days
4. Fecal EM and VI SID x 5 days

Treatment/diagnostic plan may be changed as needed to reflect clinical changes and results of diagnostic tests.

Rx: AMOXICILLIN TRIHYDRATE 50 gm rectally BID for 21 days. (KEH)

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Acc. #: 21113

=====

.....2008...

6.May.2008

Problem: abscess - right front foot (Confirmed); EXAMINATION, RECHECK ;
RADIOGRAPH, SURVEY - right front foot

Recheck draining tract RF foot.

Exam, recheck: Draining tract is significantly improved. Swelling is reduced, tissues appear healthy. KPR staff continue daily treatments to flush out tracts; still seeing a small amount of exudate but no further pockets or large amounts of drainage continue. Small amount of dried material from cloxacillin treatment. Still no signs of lameness. No discomfort during treatment process.

Radiographs: RF foot. Still no evidence of osteomyelitis. Still working on technique for portable equipment.

For the DKR:

Continued improvement in RF foot draining tract with daily treatments. Radiographs do not indicate osteomyelitis but still working on technique for portable equipment. Continue rectal antibiotics and daily treatments. Weekly vet recheck. (KEH)

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Asiatic elephant                     Age: 29Y 4M Est.    Birth: 28.Jan.1979
Name: CHAI
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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 1.Jan.2008
Time of Collection: 8:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 1.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

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Tests and Results >>
LUTEINIZING HORMONE      PEND      NG/ML
PROGESTERONE            PEND      NG/ML

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Comments >>
P4 and LH pending

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est.

Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 2.Jan.2008
Time of Collection: 15:10.0
Collected by: PM
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 2.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Comments >>
P4 and LH pending

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 21113
Asiatic elephant                     Age: 29Y 4M Est.     Birth: 28.Jan.1979
Name: CHAI
=====

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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 3.Jan.2008
Time of Collection: 15:05.0
Collected by: PM
Sample Collection Site: EAR VEIN

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 3.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

```

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Tests and Results >>
LUTEINIZING HORMONE      PEND      NG/ML
PROGESTERONE             PEND      NG/ML

```

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Comments >>
P4 and LH pending

```

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 21113
Asiatic elephant                     Age: 29Y 4M Est.     Birth: 28.Jan.1979
Name: CHAI
=====

```

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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 4.Jan.2008
Time of Collection: 8:30.0
Collected by: RR
Sample Collection Site: EAR VEIN

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 4.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

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Tests and Results >>
LUTEINIZING HORMONE      PEND      NG/ML
PROGESTERONE             PEND      NG/ML

```

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Comments >>
P4 and LH pending

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Clinical Pathology Records - Specimen Report
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Asiatic elephant                     Age: 29Y 4M Est.     Birth: 28.Jan.1979
Name: CHAI
=====

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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

```

```

Date of Collection: 4.Jan.2008
Time of Collection: 15:00.0
Collected by: RR
Sample Collection Site: EAR VEIN

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

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Laboratory: CRC
Date of Analysis: 4.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

```

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Tests and Results >>
LUTEINIZING HORMONE      PEND      NG/ML
PROGESTERONE            PEND      NG/ML

```

```

Comments >>
P4 and LH pending

```

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 5.Jan.2008
Time of Collection: 7:30.0
Collected by: PMC
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 5.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Comments >>
P4 and LH pending

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)	Sex: Female	Acc. #: 21113
Asiatic elephant	Age: 29Y 4M Est.	Birth: 28.Jan.1979
Name: CHAI		

=====

Collection Information >>

Health Status: Normal	Date of Collection: 5.Jan.2008
Fasting Time: < 8 hours	Time of Collection: 15:30.0
Activity: Calm	Collected by: RR
Weight: 3778 Kg on 22.Oct.2007	Sample Collection Site: EAR VEIN
Manual restraint used.	

Chemistry >>

Analysis Information >>	Laboratory: CRC
Chemistry Sample: Serum	Date of Analysis: 5.Jan.2008
Storage: Frozen at -30.0C (-22.0F)	Time of Analysis:
Sample Quality: No quality problems.	Analysis by:
	Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Comments >>
P4 and LH pending

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 6.Jan.2008
Time of Collection: 8:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 6.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

PEND
PEND

NG/ML
NG/ML

Comments >>
p4 and LH pending

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)	Sex: Female	Acc. #: 21113
Asiatic elephant	Age: 29Y 4M Est.	Birth: 28.Jan.1979
Name: CHAI		

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Collection Information >>
 Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Weight: 3778 Kg on 22.Oct.2007
 Manual restraint used.

Date of Collection: 6.Jan.2008
 Time of Collection: 15:15.0
 Collected by: PM
 Sample Collection Site: EAR VEIN

Chemistry >>
 Analysis Information >>
 Chemistry Sample: Serum
 Storage: Frozen at -30.0C (-22.0F)
 Sample Quality: No quality problems.

Laboratory: CRC
 Date of Analysis: 6.Jan.2008
 Time of Analysis:
 Analysis by:
 Automated analysis.

Tests and Results >>	LUTEINIZING HORMONE	PEND	NG/ML
	PROGESTERONE	PEND	NG/ML

Comments >>
 P4 and LH pending

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 7.Jan.2008
Time of Collection: 8:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 7.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

PEND
PEND

NG/ML
NG/ML

Comments >>
P4 and LH pending

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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Asiatic elephant                     Age: 29Y 4M Est.     Birth: 28.Jan.1979
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Collection Information >>
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Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 7.Jan.2008
Time of Collection: 15:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 7.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

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Tests and Results >>
LUTEINIZING HORMONE      PEND      NG/ML
PROGESTERONE            PEND      NG/ML

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Comments >>
P4 and LH pending

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Collection Information >>

Health Status: Normal
 Fasting Time: < 8 hours
 Activity: Calm
 Weight: 3778 Kg on 22.Oct.2007
 Manual restraint used.

Date of Collection: 10.Jan.2008
 Time of Collection: 8:35.0
 Collected by: SC
 Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
 Storage: Frozen at -30.0C (-22.0F)
 Sample Quality: No quality problems.

Laboratory: CRC
 Date of Analysis: 10.Jan.2008
 Time of Analysis:
 Analysis by:
 Automated analysis.

Tests and Results >>

HERPESVIRUS-ELEPHANT	PEND	
LUTEINIZING HORMONE	PEND	· NG/ML
PROGESTERONE	PEND	NG/ML

Comments >>

P4, LH and EEHV pending

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Sex: Female
Age: 29Y 4M Est.

Acc. #: 21113
Birth: 28.Jan.1979

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Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 17.Jan.2008
Time of Collection: 8:30.0
Collected by: SC
Sample Collection Site: EAR VEIN.

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 17.Jan.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

HERPESVIRUS-ELEPHANT	PEND	
PROGESTERONE	PEND	NG/ML

Comments >>

P4 and EEHV pending

Clinical Pathology Records - Specimen Report
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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3778 Kg on 22.Oct.2007
Manual restraint used.

Date of Collection: 7.Feb.2008
Time of Collection: 8:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 7.Feb.2008
Time of Analysis:
Analysis by:
Automated analysis.

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Tests and Results >>
HERPESVIRUS-ELEPHANT      PEND
PROGESTERONE              PEND
                           NG/ML

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Comments >>
P4 and EEHV pending

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 14.Feb.2008
Time of Collection: 8:40.1
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 14.Feb.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

HERPESVIRUS-ELEPHANT	PEND	
PROGESTERONE	PEND	NG/ML

Comments >>
P4 and EEHV pending

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 21.Feb.2008
Time of Collection: 8:35.0
Collected by: PM
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 21.Feb.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

PROGESTERONE

PEND

NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 28.Feb.2008
Time of Collection: 8:40.0
Collected by: RR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 28.Feb.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

PROGESTERONE PEND NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 4.Mar.2008
Time of Collection: 8:00.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 4.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

<i>ELEPHAS MAXIMUS</i> (no subsp)	Sex: Female	Acc. #: 21113
Asiatic elephant	Age: 29Y 4M Est.	Birth: 28.Jan.1979
Name: CHAI		

=====

Collection Information >>

Health Status: Normal	Date of Collection: 6.Mar.2008
Fasting Time: < 8 hours	Time of Collection: 8:20.0
Activity: Calm	Collected by: P
Weight: 3878 Kg on 13.Feb.2008	Sample Collection Site: EAR VEIN
Manual restraint used.	

Chemistry >>

Analysis Information >>	Laboratory: CRC
Chemistry Sample: Serum	Date of Analysis: 6.Mar.2008
Storage: Frozen at -30.0C (-22.0F)	Time of Analysis:
Sample Quality: No quality problems.	Analysis by:
	Automated analysis.

Tests and Results >>

PROGESTERONE	PEND	NG/ML
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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 13.Mar.2008
Time of Collection: 8:30.0
Collected by: RR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 13.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

PROGESTERONE

PEND

NG/ML

Comments >>

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 20.Mar.2008
Time of Collection: 8:30.0
Collected by: RR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 20.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

PROGESTERONE

PEND

NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 21.Mar.2008
Time of Collection: 8:35.0
Collected by: PM
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 21.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE PEND NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est.

Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 22.Mar.2008
Time of Collection: 8:30.0
Collected by: RR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 22.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 23.Mar.2008
Time of Collection: 8:45.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 23.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est.

Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 24.Mar.2008
Time of Collection: 8:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 24.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

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NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 25.Mar.2008
Time of Collection: 8:15.0
Collected by: P
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 25.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 26.Mar.2008
Time of Collection: 8:10.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 26.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

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NG/ML
NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)

Asiatic elephant

Name: CHAI

=====

Sex: Female

Age: 29Y 4M Est.

Acc. #: 21113

Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal

Fasting Time: < 8 hours

Activity: Calm

Weight: 3878 Kg on 13.Feb.2008

Manual restraint used.

Date of Collection: 26.Mar.2008

Time of Collection: 8:30.1

Collected by: P

Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum

Storage: Frozen at -30.0C (-22.0F)

Sample Quality: No quality problems.

Laboratory: CRC

Date of Analysis: 26.Mar.2008

Time of Analysis:

Analysis by:

Automated analysis.

Tests and Results >>

PROGESTERONE

PEND

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 26.Mar.2008
Time of Collection: 15:00.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 26.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 27.Mar.2008
Time of Collection: 8:00.0
Collected by: LH
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 27.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.

Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 28.Mar.2008
Time of Collection: 8:45.0
Collected by: P
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 28.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

PEND
PEND

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NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979

Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 28.Mar.2008
Time of Collection: 15:10.0
Collected by: RR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 28.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE PEND NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 29.Mar.2008
Time of Collection: 8:50.0
Collected by: RR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 29.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE PEND NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 29.Mar.2008
Time of Collection: 15:10.0
Collected by: PM
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 29.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE PEND NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 30.Mar.2008
Time of Collection: 8:30.0
Collected by: PMC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 30.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

PEND
PEND

NG/ML
NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.

Acc. #: 21113
Birth: 28.Jan.1979

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 30.Mar.2008
Time of Collection: 15:05.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 30.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979

Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 31.Mar.2008
Time of Collection: 8:20.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 31.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

PEND
PEND

NG/ML
NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 31.Mar.2008
Time of Collection: 15:05.0
Collected by: PM
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 31.Mar.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE PEND NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 1.Apr.2008
Time of Collection: 11:20.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 1.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 4.Apr.2008
Time of Collection: 8:15.0
Collected by: PAT
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 4.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

PROGESTERONE

PEND

NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 5.Apr.2008
Time of Collection: 8:30.0
Collected by: RR
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 5.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE	PEND	NG/ML
PROGESTERONE	PEND	NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 6.Apr.2008
Time of Collection: 8:45.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 6.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE
PROGESTERONE

PEND
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NG/ML
NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female
Age: 29Y 4M Est.

Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 7.Apr.2008
Time of Collection: 8:20.0
Collected by: PM
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 7.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

LUTEINIZING HORMONE PEND NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 21113
Asiatic elephant                     Age: 29Y 4M Est.     Birth: 28.Jan.1979
Name: CHAI
=====

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Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Feb.2008
Manual restraint used.

Date of Collection: 8.Apr.2008
Time of Collection: 8:35.0
Collected by: MC
Sample Collection Site: EAR VEIN

```

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Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 8.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

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Tests and Results >>
LUTEINIZING HORMONE      PEND      NG/ML
PROGESTERONE             PEND      NG/ML

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 14.Apr.2008
Time of Collection: 8:35.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 14.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

PROGESTERONE

PEND

NG/ML

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 17.Apr.2008
Time of Collection: 8:35.0
Collected by: PAT
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 17.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

ISIS Reference Values >>
Mean S.D. Min. Max. (N)

progesterone NG/ML PEND

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 17.Apr.2008
Time of Collection: 8:35.1
Collected by: PAT
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: NZP
Date of Analysis: 17.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

ISIS Reference Values >>
Mean S.D. Min. Max. (N)

EEHV PEND

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 18.Apr.2008
Time of Collection: :
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: PHOENIX
Date of Analysis: 18.Apr.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

Tests and Results >>

ISIS Reference Values >>

				Mean	S.D.	Min.	Max.	(N)
WBC	*10 ³ /UL	16.7		14.43±	4.409	5.800	33.30	(1779)
RBC	*10 ⁶ /UL	2.67		3.06±	0.51	1.78	5.15	(1501)
HGB	GM/DL	12.2		13.2±	2.2	6.6	24.9	(1568)
HCT	%	34.8		37.1±	6.0	20.3	68.0	(1890)
MCV	fL	130		122.3±	13.4	47.1	213.2	(1491)
MCH	uug	45.7		43.3±	4.8	16.6	63.2	(1464)
MCHC	gm/dL	35.1		35.4±	3.6	16.9	68.6	(1536)
SEGS	% (*10 ³ /UL)	28	(4.676)	4.822±	2.925	0.291	23.90	(1502)
BANDS	% (*10 ³ /UL)	DNR		1.402±	2.124	0.000	11.40	(307)
LYMPHOCYTES	% (*10 ³ /UL)	26	(4.342)	5.243±	3.223	0.196	20.60	(1513)
MONOCYTES	% (*10 ³ /UL)	> 44	(7.348)	3.677±	2.909	0.000	9.983	(1273)
EOSINOPHILS	% (*10 ³ /UL)	2	(0.334)	0.465±	0.551	0.000	4.520	(1093)
BASOPHILS	% (*10 ³ /UL)	DNR		0.173±	0.105	0.000	0.508	(119)
PLATE. EST.		ADEQ						
PLATE. CNT.	*10 ³ /UL	620		469±	215	121	1394	(428)

Comments >>

PHX #804170511
WBC and monocyte level has decreased from previous two recent submissions. Recheck CBC in 1wk.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 21.Apr.2008
Time of Collection: :
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: PHOENIX
Date of Analysis: 21.Apr.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

Tests and Results >>

WBC *10³/UL 17.4
RBC *10⁶/UL 2.95
HGB GM/DL 13.4
HCT % 37.6
MCV fL 127
MCH uug 45.4
MCHC gm/dL 35.6
SEGS % (*10³/UL) 33 (5.742)
BANDS % (*10³/UL) DNR
LYMPHOCYTES % (*10³/UL) 27 (4.698)
MONOCYTES % (*10³/UL) > 38 (6.612)
EOSINOPHILS % (*10³/UL) 2 (0.348)
BASOPHILS % (*10³/UL) DNR
PLATE. EST. ADEQ
PLATE. CNT: *10³/UL 673

ISIS Reference Values >>

Mean	S.D.	Min.	Max.	(N)
14.43±	4.409	5.800	33.30	(1779)
3.06±	0.51	1.78	5.15	(1501)
13.2±	2.2	6.6	24.9	(1568)
37.1±	6.0	20.3	68.0	(1890)
122.3±	13.4	47.1	213.2	(1491)
43.3±	4.8	16.6	63.2	(1464)
35.4±	3.6	16.9	68.6	(1536)
4.822±	2.925	0.291	23.90	(1502)
1.402±	2.124	0.000	11.40	(307)
5.243±	3.223	0.196	20.60	(1513)
3.677±	2.909	0.000	9.983	(1273)
0.465±	0.551	0.000	4.520	(1093)
0.173±	0.105	0.000	0.508	(119)
469±	215	121	1394	(428)

Comments >>

PHx #804211012
Cellular review WNL. Interpret with type of elephant, clinical findings and prior baseline. -- Steveneon

CBC results similar to most recent 2 samples -- monocytes returned to normal level for this animal. Note - open draining abscess on right front foot. -- JO

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 21.Apr.2008
Time of Collection: 8:40.1
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 21.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

ISIS Reference Values >>
Mean S.D. Min. Max. (N)

progesterone NG/ML PEND

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 24.Apr.2008
Time of Collection: 8:30.0
Collected by: RR
Sample Collection Site: EAR VEIN

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

Laboratory: WPZ
Date of Analysis: 24.Apr.2008
Time of Analysis: 15:00
Analysis by: TLH
Manual analysis.

Tests and Results >>

WBC	*10 ³ /UL	>>	23.5	
HCT	%		38	
SEGS	% (*10 ³ /UL)		24	(5.640)
LYMPHOCYTES	% (*10 ³ /UL)		17	(3.995)
MONOCYTES	% (*10 ³ /UL)	>>	58	(13.63)
EOSINOPHILS	% (*10 ³ /UL)		1	(0.235)
NRBC	/100 WBC		0	

ISIS Reference Values >>

Mean	S.D.	Min.	Max.	(N)
14.43±	4.409	5.800	33.30	(1779)
37.1±	6.0	20.3	68.0	(1890)
4.822±	2.925	0.291	23.90	(1502)
5.243±	3.223	0.196	20.60	(1513)
3.677±	2.909	0.000	9.983	(1273)
0.465±	0.551	0.000	4.520	(1093)
1±	1	0	3	(85)

Morphology Results >>
ANISOCYTOSIS 1+

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Frozen at -30.0C (-22.0F)
Sample Quality: No quality problems.

Laboratory: CRC
Date of Analysis: 24.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

progesterone NG/ML PEND

ISIS Reference Values >>

Mean	S.D.	Min.	Max.	(N)
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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 24.Apr.2008
Time of Collection: 8:30.1
Collected by: RR
Sample Collection Site: EAR VEIN

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

Laboratory: NZP
Date of Analysis: 24.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

EEHV PEND

ISIS Reference Values >>
Mean S.D. Min. Max. (N)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 28.Apr.2008
Time of Collection: 10:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: WPZ
Date of Analysis: 28.Apr.2008
Time of Analysis: 12:00
Analysis by: TLH
Manual analysis.

Tests and Results >>

WBC *10³/UL 18.2
HCT % 39
SEGS % (*10³/UL) 42 (7.644)
LYMPHOCYTES % (*10³/UL) 13 (2.366)
MONOCYTES % (*10³/UL) > 45 (8.190)
NRBC /100 WBC 1
PLATE. EST. NORM

ISIS Reference Values >>

Mean	S.D.	Min.	Max.	(N)
14.43±	4.409	5.800	33.30	(1779)
37.1±	6.0	20.3	68.0	(1890)
4.822±	2.925	0.291	23.90	(1502)
5.243±	3.223	0.196	20.60	(1513)
3.677±	2.909	0.000	9.983	(1273)
1±	1	0	3	(85)

Comments >>

Recheck increased WBC count.
Rare neutrophils show left shift. This is difficult to qualify as
elephants tend to have decreased lobulation from other mammals.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 28.Apr.2008
Time of Collection: 10:30.0
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: WPZ
Date of Analysis: 28.Apr.2008
Time of Analysis: 12:12
Analysis by: TLH
Automated analysis.

Tests and Results >>

ISIS Reference Values >>

			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	72	91±	21	33	223	(1257)
BUN	MG/DL	10.0	13±	4	4	30	(1260)
CREAT.	MG/DL	< 0.8	1.6±	0.4	0.7	3.3	(1230)
BUN/Cr ratio		12.5					
URIC ACID	MG/DL	<1.0	0.2±	0.3	0.0	3.4	(286)
CA	MG/DL	11.1	10.6±	0.8	7.8	14.8	(1184)
PHOS	MG/DL	>> 9.1	5.0±	1.2	1.9	11.1	(724)
Ca/P ratio		1.22					
CHOL	MG/DL	<50	48±	19	0	189	(599)
T.PROT. (C)	GM/DL	>> 10.0	8.1±	0.8	5.8	11.3	(1227)
ALBUMIN (C)	GM/DL	3.6	3.2±	0.5	1.9	4.7	(648)
GLOBULIN (C)	GM/DL	> 6.4	5.0±	1.0	2.7	8.6	(639)
Alb/Glob rat		0.563					
AST (SGOT)	IU/L	< 8	22±	11	4	97	(1227)
ALT (SGPT)	IU/L	0	7±	8	0	72	(781)
T. BILI.	MG/DL	0.1	0.2±	0.2	0.0	1.2	(765)
AMYLASE	U/L	N.R.	3017±	2492	0	9866	(170)
ALK.PHOS.	IU/L	134	143±	66	28	641	(1157)
CPK	IU/L	99	225±	170	23	1260	(486)
GGT	IU/L	3	7±	5	0	33	(314)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

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=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 21113
Asiatic elephant                     Age: 29Y 4M Est.     Birth: 28.Jan.1979
Name: CHAI
=====

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Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 28.Apr.2008
Time of Collection: 10:30.1
Collected by: SC
Sample Collection Site: EAR VEIN

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

Laboratory: PHOENIX
Date of Analysis: 28.Apr.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

```

Tests and Results >>			ISIS Reference Values >>				
			Mean	S.D.	Min.	Max.	(N)
WBC	*10 ³ /UL	16.9	14.43±	4.409	5.800	33.30	(1779)
RBC	*10 ⁶ /UL	3.09	3.06±	0.51	1.78	5.15	(1501)
HGB	GM/DL	14.	13.2±	2.2	6.6	24.9	(1568)
HCT	%	37.8	37.1±	6.0	20.3	68.0	(1890)
MCV	fL	122	122.3±	13.4	47.1	213.2	(1491)
MCH	uug	45.3	43.3±	4.8	16.6	63.2	(1464)
MCHC	gm/dL	37.0	35.4±	3.6	16.9	68.6	(1536)
SEGS	% (*10 ³ /UL)	31 (5.239)	4.822±	2.925	0.291	23.90	(1502)
LYMPHOCYTES	% (*10 ³ /UL) <	8 (1.352)	5.243±	3.223	0.196	20.60	(1513)
MONOCYTES	% (*10 ³ /UL) >>	59 (9.971)	3.677±	2.909	0.000	9.983	(1273)
EOSINOPHILS	% (*10 ³ /UL)	1 (0.169)	0.465±	0.551	0.000	4.520	(1093)
BASOPHILS	% (*10 ³ /UL)	1 (0.169)	0.173±	0.105	0.000	0.508	(119)
PLATE. EST.		ADEQ					
PLATE. CNT.	*10 ³ /UL	430	469±	215	121	1394	(428)

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Comments >>
Phoenix ID: 0804280554

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Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 28.Apr.2008
Time of Collection: 10:30.1
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: PHOENIX
Date of Analysis: 28.Apr.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

Tests and Results >>

ISIS Reference Values >>

			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	80	91±	21	33	223	(1257)
BUN	MG/DL	11	13±	4	4	30	(1260)
CREAT.	MG/DL	1.6	1.6±	0.4	0.7	3.3	(1230)
BUN/Cr ratio		6.88					
CA	MG/DL	10.6	10.6±	0.8	7.8	14.8	(1184)
PHOS	MG/DL	5.5	5.0±	1.2	1.9	11.1	(724)
Ca/P ratio		1.93					
NA	MEQ/L	132	130±	6	99	181	(859)
K	MEQ/L	4.5	4.6±	0.5	3.2	6.6	(861)
Na/K ratio		29.3					
CL	MEQ/L	90	89±	4	77	103	(731)
anion gap		20.5					
MG	MG/DL	2.0	2.10±	0.53	0.00	2.90	(68)
CHOL	MG/DL	< 26	48±	19	0	189	(599)
T.PROT. (C)	GM/DL	8.5	8.1±	0.8	5.8	11.3	(1227)
ALBUMIN (C)	GM/DL	> 3.8	3.2±	0.5	1.9	4.7	(648)
GLOBULIN (C)	GM/DL	4.7	5.0±	1.0	2.7	8.6	(639)
Alb/Glob rat		0.809					
AST (SGOT)	IU/L	14	22±	11	4	97	(1227)
T. BILI.	MG/DL	0.2	0.2±	0.2	0.0	1.2	(765)
ALK.PHOS.	IU/L	98	143±	66	28	641	(1157)
CPK	IU/L	110	225±	170	23	1260	(486)
A/G RATIO	GM/DL	0.8					
ANION GAP	MMOL/L	21					
CO2	MMOL/L	26	24.8±	4.0	15.8	37.0	(230)
FIBRINOGEN	MG/DL	400	371±	181	0	810	(238)
GGT	IU/L	< 1	7±	5	0	33	(314)
OSMOLALITY	MOSMOL/KG	262					
NA/K RATIO	MG/DL	29					

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

=====

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

=====

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

=====

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 28.Apr.2008
Time of Collection: 10:30.1
Collected by: SC
Sample Collection Site: EAR VEIN

Chemistry >>
Tests and Results >>
Comments >>

ISIS Reference Values >>

Phoenix ID: 0804280554

WPZ comments: recheck in 7 days.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female Acc. #: 21113
Age: 29Y 4M Est. Birth: 28.Jan.1979

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 1.May.2008
Time of Collection: 9:30.0
Collected by: RR
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: WPZ
Date of Analysis: 1.May.2008
Time of Analysis: 11:00
Analysis by: TLH
Manual analysis.

Tests and Results >>

WBC *10³/UL 18.7
HCT % 35

ISIS Reference Values >>

Mean	S.D.	Min.	Max.	(N)
14.43±	4.409	5.800	33.30	(1779)
37.1±	6.0	20.3	68.0	(1890)

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 3.May.2008
Time of Collection: 16:50.0
Collected by: PM
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: PHOENIX
Date of Analysis: 4.May.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

Tests and Results >>

ISIS Reference Values >>

				Mean	S.D.	Min.	Max.	(N)
WBC	*10 ³ /UL		16.6	14.43±	4.409	5.800	33.30	(1779)
RBC	*10 ⁶ /UL	<	2.31	3.06±	0.51	1.78	5.15	(1501)
HGB	GM/DL	<	10.4	13.2±	2.2	6.6	24.9	(1568)
HCT	%	<	27.4	37.1±	6.0	20.3	68.0	(1890)
MCV	fL		119	122.3±	13.4	47.1	213.2	(1491)
MCH	uug		45.0	43.3±	4.8	16.6	63.2	(1464)
MCHC	gm/dL		38.0	35.4±	3.6	16.9	68.6	(1536)
SEGS	% (*10 ³ /UL)		31 (5.146)	4.822±	2.925	0.291	23.90	(1502)
LYMPHOCYTES	% (*10 ³ /UL)		35 (5.810)	5.243±	3.223	0.196	20.60	(1513)
MONOCYTES	% (*10 ³ /UL)		33 (5.478)	3.677±	2.909	0.000	9.983	(1273)
EOSINOPHILS	% (*10 ³ /UL)		1 (0.166)	0.465±	0.551	0.000	4.520	(1093)
PLATE. EST.			ADEQ					
PLATE. CNT.	*10 ³ /UL		606	469±	215	121	1394	(428)
RETICS	%		0.3	0.8±	1.6	0.0	4.4	(10)
FIBRINOGEN	MG/DL		200	371±	181	0	810	(238)

Comments >>

Recheck.
Phoenix # 805040051
Pathologist's comments: PCV lower than other two animal submitted at the same time-normal variation or mild anemia? No evidence of regeneration/reticulocytosis. Leukocyte numbers are also higher with higher neutrophils and monocytes. Possible inflammation? Any history of chronic infection?/Jim Bilenduke.

Clinical Pathology Records - Specimen Report
WOODLAND PARK ZOOLOGICAL GARDENS

ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est.
Acc. #: 21113
Birth: 28.Jan.1979

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 3.May.2008
Time of Collection: 16:50.0
Collected by: PM
Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: PHOENIX
Date of Analysis: 4.May.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

Tests and Results >>

ISIS Reference Values >>

			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	94	91±	21	33	223	(1257)
BUN	MG/DL	12	13±	4	4	30	(1260)
CREAT.	MG/DL	1.3	1.6±	0.4	0.7	3.3	(1230)
BUN/Cr ratio		9.23					
URIC ACID	MG/DL	>> 2.4	0.2±	0.3	0.0	3.4	(286)
CA	MG/DL	10.5	10.6±	0.8	7.8	14.8	(1184)
PHOS	MG/DL	4.5	5.0±	1.2	1.9	11.1	(724)
Ca/P ratio		2.33					
NA	MEQ/L	127	130±	6	99	181	(859)
K	MEQ/L	4.5	4.6±	0.5	3.2	6.6	(861)
Na/K ratio		28.2					
CL	MEQ/L	91	89±	4	77	103	(731)
anion gap		14.5					
MG	MG/DL	2.4	2.10±	0.53	0.00	2.90	(68)
CHOL	MG/DL	36	48±	19	0	189	(599)
T.PROT. (C)	GM/DL	8.2	8.1±	0.8	5.8	11.3	(1227)
ALBUMIN (C)	GM/DL	3.7	3.2±	0.5	1.9	4.7	(648)
GLOBULIN (C)	GM/DL	4.5	5.0±	1.0	2.7	8.6	(639)
Alb/Glob rat		0.822					
AST (SGOT)	IU/L	13	22±	11	4	97	(1227)
T. BILI.	MG/DL	0.2	0.2±	0.2	0.0	1.2	(765)
ALK.PHOS.	IU/L	86	143±	66	28	641	(1157)
CPK	IU/L	152	225±	170	23	1260	(486)
ANION GAP	MMOL/L	15					
CO2	MMOL/L	26	24.8±	4.0	15.8	37.0	(230)
GGT	IU/L	3	7±	5	0	33	(314)
OSMOLALITY	MOSMOL/KG	254					

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ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 21113
Asiatic elephant                     Age: 29Y 4M Est.     Birth: 28.Jan.1979
Name: CHAI
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Time of Collection: 16:50.1
Collected by: PM
Sample Collection Site: EAR VEIN

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

Laboratory: WPZ
Date of Analysis: 4.May.2008
Time of Analysis: 10:30
Analysis by: TLH
Manual analysis.

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Tests and Results >>
WBC          *10^3/UL          17.9
HCT          %              32

ISIS Reference Values >>
Mean   S.D.   Min.   Max.   (N)
14.43± 4.409  5.800  33.30 (1779)
37.1±  6.0   20.3   68.0  (1890)

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ELEPHAS MAXIMUS (no subsp)
Asiatic elephant
Name: CHAI

Sex: Female
Age: 29Y 4M Est. Birth: 28.Jan.1979
Acc. #: 21113

Collection Information >>

Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3878 Kg on 13.Apr.2008
Manual restraint used.

Date of Collection: 5.May.2008
Time of Collection: 10:10.1
Collected by:
Sample Collection Site: EAR VEIN

Hematology >>

Analysis Information >>

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

Laboratory: PHOENIX
Date of Analysis: 5.May.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

Tests and Results >>

WBC *10³/UL 16.0
RBC *10⁶/UL 2.72
HGB GM/DL 11.9
HCT % 32.9
MCV fL 121
MCH uug 43.8
MCHC gm/dL 36.2
SEGS % (*10³/UL) 22 (3.520)
LYMPHOCYTES % (*10³/UL) < 10 (1.600)
MONOCYTES % (*10³/UL) >> 68 (10.88)
EOSINOPHILS % (*10³/UL) DNR
BASOPHILS % (*10³/UL) DNR
PLATE. EST. ADEQ
PLATE. CNT. *10³/UL 498

ISIS Reference Values >>

Mean	S.D.	Min.	Max.	(N)
14.43±	4.409	5.800	33.30	(1779)
3.06±	0.51	1.78	5.15	(1501)
13.2±	2.2	6.6	24.9	(1568)
37.1±	6.0	20.3	68.0	(1890)
122.3±	13.4	47.1	213.2	(1491)
43.3±	4.8	16.6	63.2	(1464)
35.4±	3.6	16.9	68.6	(1536)
4.822±	2.925	0.291	23.90	(1502)
5.243±	3.223	0.196	20.60	(1513)
3.677±	2.909	0.000	9.983	(1273)
0.465±	0.551	0.000	4.520	(1093)
0.173±	0.105	0.000	0.508	(119)
469±	215	121	1394	(428)

Comments >>

Phoenix: 0805050547
RBC morphology is normal.

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Sample Collection Site: EAR VEIN

Chemistry >>

Analysis Information >>

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

Laboratory: PHOENIX
Date of Analysis: 5.May.2008
Time of Analysis:
Analysis by: PHX
Automated analysis.

Tests and Results >>

ISIS Reference Values >>

			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	< 67	91±	21	33	223	(1257)
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Na/K ratio		27.4					
CL	MEQ/L	90	89±	4	77	103	(731)
anion gap		19.7					
MG	MG/DL	2.1	2.10±	0.53	0.00	2.90	(68)
CHOL	MG/DL	36	48±	19	0	189	(599)
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ALK.PHOS.	IU/L	84	143±	66	28	641	(1157)
CPK	IU/L	164	225±	170	23	1260	(486)
ANION GAP	MMOL/L	20					
CO2	MMOL/L	24	24.8±	4.0	15.8	37.0	(230)
FIBRINOGEN	MG/DL	300	371±	181	0	810	(238)
GGT	IU/L	4	7±	5	0	33	(314)
OSMOLALITY	MOSMOL/KG	257					

Comments >>

Phoenix: 0805050547

ISIS reference values are for ELEPHAS MAXIMUS
Printed on: 28.May.2008

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Name: CHAI

Sex: Female Acc. #: 21113
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Chemistry >>

Comments >>

WPZ comments: Slight increase of WBC; CBC/panel within normal limits.

Woodland Park Zoological Gardens

(Tests run through Phoenix Labs, Everett, WA)

Chai #246 (F. Asian Elephant) DOB: 1979
2113

Date	P4 (ng/ml)
1/1/2008	0.05
1/2/2008	0.05
1/3/2008	0.07
1/4/2008	
1/4/2008	
1/5/2008	0.13
1/5/2008	0.23
1/6/2008	
1/6/2008	
1/7/2008	
1/7/2008	
1/10/2008	0.23
1/17/2008	0.48
1/24/2008	0.51
2/1/2008	0.72
2/7/2008	0.62
2/14/2008	0.25
2/21/2008	0.42
2/28/2008	0.60
3/6/2008	1.12
3/13/2008	0.94
3/20/2008	1.00
3/21/2008	1.35
3/22/2008	1.40
3/23/2008	1.03
3/24/2008	1.14
3/25/2008	1.54
3/26/2008	
3/27/2008	
3/28/2008	1.46
3/29/2008	1.63
3/30/2008	
3/31/2008	2.47
4/1/2008	1.64
4/8/2008	1.28
4/10/2008	3.39
4/14/2008	1.79
4/17/2008	2.41
4/21/2008	2.22
4/24/2008	1.93
4/28/2008	2.47
5/1/2008	1.46

Woodland.wks

5/2/2008	1.50
5/3/2008	1.40
5/4/2008	1.74
5/5/2008	2.26
5/6/2008	1.25
5/7/2008	1.60

Bruce Upchurch

From: Janine Brown [janinebrown66@aol.com]
Sent: April 08, 2008 4:19 PM
To: Bruce Upchurch
Cc: Nancy Hawkes; AbbondanzaN@si.edu
Subject: Re: Quick Question

Hi Bruce: I definitely think you can stop the daily sampling. I am assuming you would do another AI (immediately) if this turns out to be a false alarm? If that is the case, until you get US confirmation of her pregnancy you might collect twice weekly and send in samples each week. It's really looking good though and I assume you will do the US pretty soon? We couldn't be happier for you guys!

Janine

Janine L. Brown, Ph.D.,
Research Physiologist/Endocrine Lab Head Smithsonian National Zoological Park Conservation
& Research Center 1500 Remount Road Front Royal, VA 22630

540-635-6586 (office)
540-635-6506 (fax)
540-305-6121 (mobile)
540-364-6373 (home)
brownjan@si.edu
JanineBrown66@aol.com

-----Original Message-----

From: Bruce Upchurch <Bruce.Upchurch@Zoo.org>
To: 'Janine Brown' <janinebrown66@aol.com>
Cc: Nancy Hawkes <Nancy.Hawkes@Zoo.org>; AbbondanzaN@si.edu <AbbondanzaN@si.edu>
Sent: Tue, 8 Apr 2008 5:29 pm
Subject: Quick Question

Hi Janine - as you know, things are looking very positive for Chai. Could you offer an opinion/recommendation on the following?

We are currently drawing blood once daily from Chai and, as you know, sending it off for analysis weekly. We are wondering how long we should maintain daily blood draws, if we should move to 2-3 times per week or if there is another sample drawing regimen that you would recommend? And, then also, how frequently we should be sending samples in?

We are in the process of planning an US to confirm as well.

Hope things are well with you.

Thanks