

Report Start Date  
01-Jan-00

# Specimen Report for OKLAHOMA / 753206

Report End Date  
09-Nov-05



Taxonomic name: *Elephas maximus*

Family: Elephantidae

Common name: Asiatic elephant

Order: Proboscidea

## Current information

Sex: Female Sire ID: 815 at Dickerson Park Zoo  
Birth type: Captive Born Dam ID: 1101 at Dickerson Park Zoo  
Birth Location: Dickerson Park Zoo Rearing: Parent  
Birthdate-Age: 2 Feb 1995 - 10Y,9M,9D Hybrid: Not a hybrid  
Time since last Acq: 6Y,4M,25D as of report end date

<u>Date in</u>	<u>Acquisition - Vendor/local Id</u>	<u>Holder</u>	<u>Disposition - Recipient/local Id</u>	<u>Date out</u>
1 Dec 1998	Loan In from DICKERSON / 4255	OKLAHOMA / 753206		
17 Jun 1999	Purchase from DICKERSON / 4255	OKLAHOMA / 753206		

<u>Date</u>	<u>Identifier type</u>	<u>Identifier</u>	<u>Location</u>	<u>Comments</u>
2 Feb 1995	House Name	Asha		
2 Feb 1995	Regional Studbook #	365	AZA	

<u>Date</u>	<u>Enclosure</u>	<u>Reason</u>
1 Dec 1998	PACHY	

<u>Date</u>	<u>Sex</u>	<u>Comments</u>
1 Dec 1998	Female	

<u>Date</u>	<u>Rearing</u>	<u>Comments</u>
1 Dec 1998	Parent	

<u>Date</u>	<u>Parent(s)</u>	<u>local Id</u>	<u>Location</u>	<u>Comments</u>
1 Dec 1998	Sire	815	DICKERSON	
1 Dec 1998	Dam	1101	DICKERSON	



# OKLAHOMA CITY ZOO BREEDING AND BEHAVIOR SUMMARY

ANIMAL: INDIAN ELEPHANT SEX: 0.1 ISIS#: 7532-06 Asha

DATE	DATA	REMARKS
03 Dec 98	0	Minyahk, Asha and Chandra went outside today - sp
06 Dec 98	0	Asha was wired during am training- a little better in pm - sp
07 Dec 98	o	all three went outside today - Chandra and Asha played in the pool - sp
14 Dec 98	0	very squirrely in am - walked around exhibit to calm her down and was able to chain her - played in pool when outside - sp
02 Apr 99	0	first day without adult elephant around - put outside and stationed well - js
28 Apr 99	0	began whistle training - js
03 May 99	0	Asha is being aggressive toward Chandra while stationing at the far end of the lot in am and pm - Asha is getting most of the treats - sp
05 Aug 99	0	06 or 07 - sand in stool from one fo these two - js
12 Aug 99	0	Chandra and Asha got into the back hallway during the night and did a lot of damage - sp
13 Aug 99	0	saw debris from ramapge in stool today - plastic bag, scouring pad and green sponge seen - js
14 Aug 99	0	attempted to separate Asha and Chandra during am feed - neither one was too keen and neither ate - back together for pm feeding - js
16 Sep 99	agg	Asha took a swing at keeper while keeper was examining toenail through the outside rail - similar to behavior of Minyahk before her attack - sp
11 Dec 99	0	one of the elephants hit rolling door injuring Janet Wiard - dw
18 Jan 00	0	Asha broke station in both am and pm and hit rolling door again - both elephants were unruly in am - given timeout in pm and straightened out - sp
26 May 00	agg	Asha slapped at keeper twice - pd
27 May 00	egg	continued aggression from Asha - she swung at keeper twice - pd



# OKLAHOMA CITY ZOO BREEDING AND BEHAVIOR SUMMARY

ANIMAL: INDIAN ELEPHANT SEX: 0.1 ISIS#: 7532-06 Asha

DATE	DATA	REMARKS
28 May 00	agg	swung at keeper one time - pd
29 May 00	agg	still swinging at keepers - pd
30 May 00	agg	swung at keepers once today - pd
17 Aug 00	agg	Asha took a swing at Victoria Zahn today - vz
18 Dec 00	0	Asha and Chandra let outside to play in the snow - sp
29 Jan 01	0	Asha broke off both of her tusks - ps
12 Mar 01	0	Asha has scuffed her right tusk and made it bleed - tail looks fine - sp
14 Mar 01	0	tail is oozing pus - sp
20 May 01	0	mucousy discharge seen coming from genital area - pd
28 May 01	0	Asha has cracks in both outside rear nails - may have been upset by
		storm during the night - pd
10 Jul 01	0	first night for both inside and outside access - pd
26 Aug 01	0	signs of estrous - slapping tail at genitals - pd
20 Feb 02	0	center nail on right front foot has separated between nail and cuticle -
		treating with coppertox - vz
13 Mar 02	0	swelling on left front middle nail - sp
01 Apr 02	0	estrous - df
07 Jun 03	0	bumps on belly - possible estrous - slapping genitals with her tail - sp
23 Jul 03	0	hot spot above outer nail on front left foot - sp
06 Oct 03	0	nail has blown out on left front foot - center nail - df
07 Nov 03	0	Asha and Chandra have both been very nervous with construction going
		on - left out for a while to get them used to it - sp
27 Dec 03	0	Asha got her left rear leg caught in bars close to inside moat - keepers
		were unable to get her loose with mineral oil - welder cut pipe and got

her out - leg is swollen - pd



Medical History Report - Summary for Individual Specimen  
OKLAHOMA CITY ZOOLOGICAL PARK

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 753206
Asiatic elephant                     Age: 10Y 9M 6D       Birth: 2.Feb.1995
Name: Asha
=====

```

.....1998...

1.Dec Obtained from another institution.

.....1999...

9.Jul Parasitology examination: (DIAGNOSTIC EXAMINATION) Fecal sample.  
NO PARASITES SEEN  
Clinical note recorded. (CJK)

.....2000...

31.Jan Clinical note recorded. (MTB)

4.Feb Clinical note recorded. (MTB)

19.Apr Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

10.Jul Clinical note recorded. (MTB)

9.Oct Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN  
Clinical note recorded. (MTB)

.....2001...

29.Jan Clinical note recorded. (MTB)

2.Feb Clinical note recorded. (MTB)

2.Mar Clinical note recorded. (SLH)

6.Mar Clinical note recorded. (SLH)

7.Mar Clinical note recorded. (SLH)

8.Mar Clinical note recorded. (SLH)

.....2002...

20.Feb Clinical note recorded. (GDW)

3.May Clinical note recorded. (GDW)

24.Jun Clinical note recorded. (SLH)

26.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.

Medical History Report - Summary for Individual Specimen  
OKLAHOMA CITY ZOOLOGICAL PARK

=====

<i>ELEPHAS MAXIMUS</i> (no subsp)	Sex: Female	Acc. #: 753206
<b>Asiatic elephant</b>	Age: 10Y 9M 6D	Birth: 2.Feb.1995
Name: Asha		

=====

.....2002....

26.Sep NO PARASITES SEEN

.....2003....

3.Jun Clinical note recorded. (CLD)

7.Jul Clinical note recorded. (CLD)

7.Aug Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

18.Aug Clinical note recorded. (GDW)

.....2004....

30.Mar Clinical note recorded. (GDW)

7.May Clinical note recorded. (GDW)

23.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

12.Oct Clinical note recorded. (GDW)

22.Oct Clinical note recorded. (GDW)

20.Nov Clinical note recorded. (GDW)

.....2005....

29.Mar Clinical note recorded. (GDW)

25.May Clinical note recorded. (JJD)

5.Aug Clinical note recorded. (CO)

23.Sep Clinical note recorded. (GDW)

28.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

15.Oct Clinical note recorded. (GDW)

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 753206
Asiatic elephant                     Age: 10Y 9M 6D       Birth: 2.Feb.1995
Name: Asha
=====

```

**Clinical Note:** 9.Jul.1999

Hx: diarrhea, not taking bath this morning.  
 Asses: runny stool. Asha seems to be a little restless, but not showing apathy.  
 Path: fecal culture sent out for testing also for herpes.  
 Plan: if eating and drinking no supportive care, otherwise fluid support. waiting for the results.

Microbiology: Fecal swab submitted for enteric pathogen screen.

<<< Microbiology >>>

Sample Accession #:

Laboratory:

<input type="checkbox"/> Roche Biomedical	Collection Date: 09/07/99
<input type="checkbox"/> Colorado Vet Lab	Submission Date: 09/07/99
<input type="checkbox"/> OADDL	Reporting Date: 11/07/99
<input checked="" type="checkbox"/> Other:	

Submission type:

<input type="checkbox"/> aerobic bacteriology	Sample source: STOOL
<input type="checkbox"/> anaerobic bacteriology	
<input type="checkbox"/> mycology	<input checked="" type="checkbox"/> Individual sample
<input checked="" type="checkbox"/> enteric pathogen screen	<input type="checkbox"/> Group sample
<input type="checkbox"/> mycobacterial	

Comments: NO ENTERIC PATHOGENS (CJK)

**Submission Data >>**

Type: Fecal sample  
 Purpose: DIAGNOSTIC EXAMINATION

Sample id.: 1999-0479  
 Date collected: 9.Jul.1999  
 Collected by: JS

**Collected from:**

From an individual specimen.

Enclosure: PACHY

**Examination Data >>**

Storage: room temperature  
 Consistency: soft  
 Gross appearance: Atypical

Date examined: 9.Jul.1999  
 by: SB

**Tests & Results >>**

FLOATATION - NA NITRATE                      NO PARASITES SEEN

=====

*ELEPHAS MAXIMUS (no subsp)*  
**Asiatic elephant**  
Name: Asha

Sex: Female  
Age: 10Y 9M 6D

Acc. #: 753206  
Birth: 2.Feb.1995

=====

**Clinical Note:** 31.Jan.2000

Keeper reports "lameness " in right front leg. Observation: Not limping nor favoring right front leg. Seems to have some stiffness in it, effecting gait. Plan: Observe. (MTB)

---

**Clinical Note:** 4.Feb.2000

Observation: No abnormality in gait observable while outdoors today. Running and walking, climbing fence, etc. (MTB)

---

**Submission Data >>**

Type: Fecal sample  
Purpose: ROUTINE EXAMINATION

Sample id.: 2000-0444  
Date collected: 19.Apr.2000

**Collected from:**

From an individual specimen.

Enclosure: PACHY

**Examination Data >>**

Storage: refrigerated  
Consistency: formed  
Gross appearance: Typical

Date examined: 21.Apr.2000

by: SB

**Tests & Results >>**

FLOATATION - NA NITRATE

NO PARASITES SEEN

-----

---

**Clinical Note:** 10.Jul.2000

Large string of mucous-like, white material found in enclosure, uncertain which of two elephants it is from. (MTB)

---

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

Sex: Female Acc. #: 753206
Age: 10Y 9M 6D Birth: 2.Feb.1995
=====

Clinical Note:

9.Oct.2000

Shivering in rear legs as reported by keeper. Also observed loose stools. Recent drop in temperature outdoors. Culture taken of stool (no pathogens). Appeared essentially normal at time of visual exam. Plan: Observe.

<<< Microbiology >>>

Sample Accession #:

Laboratory:

- [ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other: VAL

Collection Date: 09/10/00
Submission Date: 09/10/00
Reporting Date: 12/10/00

Submission type:

- [ ] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[X] enteric pathogen screen
[ ] mycobacterial

Sample source: STOOL
[X] Individual sample
[ ] Group sample

Comments: NO ENTERIC PATHOGENS (MTB)

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2000-0873
Date collected: 9.Oct.2000

Collected from:

From an individual specimen.

Enclosure: PACHY

Examination Data >>

Storage: room temperature
Consistency: formed
Gross appearance: Typical

Date examined: 9.Oct.2000

by: SJB

Tests & Results >>

FLOATATION - NA NITRATE NO PARASITES SEEN

=====

<i>ELEPHAS MAXIMUS</i> (no subsp)	Sex: Female	Acc. #: 753206
<b>Asiatic elephant</b>	Age: 10Y 9M 6D	Birth: 2.Feb.1995
Name: Asha		

=====

**Clinical Note:** 29.Jan.2001  
Broken tusk tips. Both tusks broken at base. Small amount of tusk still visible on both sides. No apparent inflammation. Not tender. Treatment: Keepers will flush with saline to cleanse. (MTB)

---

**Clinical Note:** 2.Feb.2001  
Small amount of purulent discharge observed from around right tusk, has been decreasing for few days. Today looks much improved. Keepers have been flushing with dilute novosan. Plan: continue to flush several times per day. No systemic antibiotic treatment at this time. (MTB)

---

**Clinical Note:** 2.Mar.2001  
Rechecked tushes now that flushing trt. finished. They look good with no discharge or ulcers. No further trt. required. (SLH)

---

**Clinical Note:** 6.Mar.2001  
First day of trunk wash and collection. Easily done via bag then into container for freezing.

National Veterinary Services Laboratories  
Accession#: 101675.  
Mycobacteria Isolation from trunk wash  
Diagnosis: No isolation made  
Case#: 013364.  
NVSL ID: 320399. (SLH)

---

**Clinical Note:** 7.Mar.2001  
Day two of trunk wash.

National Veterinary Services Laboratories  
Accession#: 101676.  
Mycobacteria Isolation from trunk wash  
Diagnosis: No isolation made  
Case#: 013365.  
NVSL ID: 320402 (SLH)

---

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

Sex: Female
Age: 10Y 9M 6D

Acc. #: 753206
Birth: 2.Feb.1995
=====

Clinical Note:

8.Mar.2001

National Veterinary Services Laboratories
Accession#: 101677.
Mycobacteria Isolation from trunk wash
Diagnosis: No isolation made
Case#: 013366.
NVSL ID: 320404. (SLH)

Clinical Note:

20.Feb.2002

RF foot nail #3, center piece of nail about 3 inches by 1.5 inches.
Likely nail had trauma or bruise. Then slightly avulsed or undermined.
Tech 3, trimmed out. Looks ok, sensitive. Apply Koppertox to harden
corium. Document and recheck weekly the nail growth, may document with
digital camera. (GDW)

Clinical Note:

3.May.2002

rf nail #4, has crack, with black tract, smaller black spot caudally,
needs to be trimmed out, the two may communicate.
nails very dry and hard, may need to keep wetter or opportunities to
dig in mud or stand in water. (GDW)

Clinical Note:

24.Jun.2002

Trunk washes finished for mycobacterium culture (no isolation made on
all three samples submitted). (SLH)

Submission Data >>

Type: Fecal sample
Purpose: ROUTINE EXAMINATION

Sample id.: 2002-0506
Date collected: 26.Sep.2002
Collected by: VEZ

Collected from:

From an individual specimen.

Enclosure: PACHY

Examination Data >>

Storage: refrigerated
Consistency: soft
Gross appearance: Typical

Date examined: 27.Sep.2002
by: CO

Tests & Results >>

FLOATATION - NA NITRATE NO PARASITES SEEN

=====

<i>ELEPHAS MAXIMUS</i> (no subsp)	Sex: Female	Acc. #: 753206
Asiatic elephant	Age: 10Y 9M 6D	Birth: 2.Feb.1995
Name: Asha		

=====

**Clinical Note:** 3.Jun.2003  
Multiple raised areas on abdomen, vary in size from 2cm to 8cm,  
advised keepers to rinse abdomen with cool water (CLD)

---

**Clinical Note:** 7.Jul.2003  
collected blood from right ear vein (CLD)

---

**Submission Data >>** Sample id.: 2003-0373  
Type: Fecal sample Date collected: 7.Aug.2003  
Purpose: ROUTINE EXAMINATION Collected by: PD

**Collected from:** Enclosure: PACHY  
From an individual specimen.

**Examination Data >>** Date examined: 7.Aug.2003  
Storage: refrigerated  
Consistency: formed by: DRH  
Gross appearance: Typical

**Tests & Results >>**  
FLOATATION - ZINC SULFATE NO PARASITES SEEN

-----

**Clinical Note:** 18.Aug.2003  
collected blood from right auricular vein, serum frozen.  
left front foot, toe no. 4 small nail abcess, supervisor trimming. (GDW)

---

**Clinical Note:** 30.Mar.2004  
left front foot lateral toenail (5) has active nailbed abcess. been  
trimmed, treated? by keepers. possibly flushing, soaks.  
recommend more aggressive trimming of sole, soaking. recommend d/c  
flushing. abcessced tissue needs to be opened up peripherally to it.  
(GDW)

---

```

=====
ELEPHAS MAXIMUS (no subsp)           Sex: Female           Acc. #: 753206
Asiatic elephant                     Age: 10Y 9M 6D       Birth: 2.Feb.1995
Name: Asha
=====

```

**Clinical Note:** 7.May.2004  
all trunk washes collected 3/2-3/4/2004 were negative for mycobacteria  
on culture thru NVSL. (GDW)

```

Submission Data >>                               Sample id.: 2004-0578
Type: Fecal sample                               Date collected: 23.Sep.2004
Purpose: ROUTINE EXAMINATION                     Collected by: SP

```

**Collected from:** Enclosure: PACHY  
From an individual specimen.

```

Examination Data >>                               Date examined: 23.Sep.2004
Storage: room temperature
Consistency: formed                               by: DRH
Gross appearance: Typical

```

**Tests & Results >>**  
FLOATATION - ZINC SULFATE                      NO PARASITES SEEN

**Clinical Note:** 12.Oct.2004  
left front leg, lateral nail (5) has fairly large abcess (golf ball  
size)  
able to put finger into lesion.  
trimmed some with hoof knife and file.  
need to re-evaluate.  
keepers to soak foot and apply koppertox to harden tissues, will need  
much more trimming to expose abcessed area. (GDW)

**Clinical Note:** 22.Oct.2004  
nail rechecked, still soft abcessed area centrally, concerned has  
extension cranially under nail, supervisor to trim of more of nail to  
expose. (GDW)

=====

<i>ELEPHAS MAXIMUS</i> (no subsp)	Sex: Female	Acc. #: 753206
Asiatic elephant	Age: 10Y 9M 6D	Birth: 2.Feb.1995
Name: Asha		

=====

**Clinical Note:** 20.Nov.2004  
significant improvement. persistent small abcess or soft spot about 1 inch cranial to crack on Left front foot lateral nail. keepers to trim cranially to this to help open up this abcess.  
right rear leg lateral nail crack, no active infection, crack dorsal to cuticle. (GDW)

---

**Clinical Note:** 29.Mar.2005  
left front foot lateral toe, abcess is dry, small persistant crack, but lesion is mostly resolved and nail defect is migrating caudally. (GDW)

---

**Clinical Note:** 25.May.2005  
Collected trunk wash sample for mycobacterium culture (day 2). (JJD)

---

**Clinical Note:** 5.Aug.2005  
Three trunk wash samples submitted to National Vet Services Lab for annual TB screen: no isolation made on all three samples. (CO)

---

**Clinical Note:** 23.Sep.2005  
left front foot, lateral toe has persistent nail problems. Unsure if it is a conformational issue, self-trauma, or chronic infection. Training was discussed and is being performed to take radiographs of this toe.  
The nail has a central area of softness, especially ventrally, that can be further trimmed. Also, some soft tissue swelling around the cuticle of this nail. Will work toward radiographic exam and further ventral trimming.  
Supervisor also keeping this nail shorter, to decrease wt. bearing and this may also help the condition of this nail. (GDW)

---

=====

ELEPHAS MAXIMUS (no subsp)  
Asiatic elephant  
Name: Asha

=====

Sex: Female                      Acc. #: 753206  
Age: 10Y 9M 6D                  Birth: 2.Feb.1995

=====

**Parasitology Examination:**

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

Sample id.: 2005-0504  
Date collected: 28.Sep.2005  
Collected by: DF

**Collected from:**  
From an individual specimen.

Enclosure: PACHY

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

Date examined: 28.Sep.2005  
by: CO

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

-----

---

**Clinical Note:**

small (2cm) mucosal nodule or hyperplasia on upper left side of mouth,  
just lateral to hard palate. Probably is not clinically significant.  
(GDW)

---

15.Oct.2005

Clinical Pathology Records Report - ISIS/In-House Reference Values  
OKLAHOMA CITY ZOOLOGICAL PARK

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

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

Clinical Pathology Records Report - ISIS/In-House Reference Values  
OKLAHOMA CITY ZOOLOGICAL PARK

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

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

Medical History Report - Summary for Individual Specimen

OKLAHOMA CITY ZOOLOGICAL PARK

```

=====
ELEPHAS MAXIMUS INDICUS           Sex: Female           Acc. #: 753307
Indian elephant                   Age: 9Y 4M 7D        Birth: 2.Jul.1996
Name: Chandra
=====

```

.....1998...

1.Dec Obtained from another institution.

.....2000...

13.Mar Clinical note recorded. (CJK)

19.Apr Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

10.Jul Clinical note recorded. (MTB)

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

.....2001...

7.Mar Clinical note recorded. (SLH)

8.Mar Clinical note recorded. (SLH)

9.Mar Clinical note recorded. (SLH)

.....2002...

24.Jun Clinical note recorded. (SLH)

25.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

26.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

.....2003...

6.Feb Clinical note recorded. (GDW)

3.Jun Clinical note recorded. (CLD)

14.Jul Clinical note recorded. (CLD)

17.Jul Clinical note recorded. (SLH)

7.Aug Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.  
NO PARASITES SEEN

.....2004...

7.May Clinical note recorded. (GDW)