

Report Start Date  
01-Jan-01

# Specimen Report for OKLAHOMA / 753307

Report End Date  
19-Aug-08



Taxonomic name: *Elephas maximus indicus*

Family: Elephantidae

Common name: Indian elephant

Order: Proboscidea

## Current information

Sex:	Female	Sire ID:	815 at Dickerson Park Zoo
Birth type:	Captive Born	Dam ID:	4022 at Dickerson Park Zoo
Birth Location:	Dickerson Park Zoo	Rearing:	Parent
Birthdate-Age:	2 Jul 1996 - 12Y,1M,17D	Hybrid:	Not a hybrid
Time since last Acq:	9Y,2M,2D 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 / 4500	OKLAHOMA / 753307		
17 Jun 1999	Purchase from DICKERSON / 4500	OKLAHOMA / 753307	Loan Out to TULSA / 15602	12 Jun 2008

<u>Date</u>	<u>Identifier type</u>	<u>Identifier</u>	<u>Location</u>	<u>Comments</u>
2 Jul 1996	House Name	Chandra		
2 Jul 1996	Regional Studbook #	385	AZA	

<u>Date</u>	<u>Enclosure</u>	<u>Reason</u>
1 Dec 1998	PACHY	
12 Jun 2008	REMOVED	

<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	4022	DICKERSON	

Clinical Notes - Individual Specimen Report  
OKLAHOMA CITY ZOOLOGICAL PARK

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<i>ELEPHAS MAXIMUS INDICUS</i>	Sex: Female	Acc. #: 753307
Indian elephant	Age: 12Y 1M 18D	Birth: 2.Jul.1996
Name: Chandra		

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.....2007...

17.Apr.2007

Collected trunk wash sample for annual TB screening. (JJD)

18.Apr.2007

Collected trunk wash sample for annual TB screening. (JJD)

19.Apr.2007

Collected third trunk wash sample for annual TB screening. (JJD)

29.Oct.2007

Proc: Reproductive assessment

PE: Dr. Schmitt performed an ultrasound reproductive assessment under manual/behavioral restraint. Elephant was placed in the ERD and all 4 legs strapped to the sides. She allowed an enema to be performed and allowed a full ultrasonographic assessment to be performed rectally. It appears that everything is normal. Dr. Schmitt will review the study and send a report. (JJD)

21.Dec.2007

Rx: BIOTIN 170 gm PO SID until further notice. (JJD)

.....2008...

11.Apr.2008

Collected trunk wash sample #1 for yearly mycobacteriosis screening. (JJD)

14.Apr.2008

Collected trunk wash sample #2 for mycobacteriosis screening. (JJD)

15.Apr.2008

Collected trunk wash sample #3 for mycobacteriosis screening. Samples will be submitted to NVSL. (JJD)

21.Apr.2008

Serum submitted to NVSL for Chembio ElephantTB Stat-Pak antibody test - negative. (JJD)

10.May.2008

Serum submitted to CRC, National Zoo for hormone analysis:

	Serum P4
6/20/07	0.16

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ELEPHAS MAXIMUS INDICUS  
Indian elephant  
Name: Chandra

Sex: Female                      Acc. #: 753307  
Age: 12Y 1M 18D                Birth: 2.Jul.1996

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10.May.2008

6/28/07	0.12	
7/2/07	0.09	
7/6/07	0.12	
7/10/07	0.1	
8/27/07	0.81	
9/17/07	0.52	
9/25/07	0.35	
10/11/07	0.18	
10/18/07	0.18	
11/2/07	0.05	
12/7/07	0.75	
12/14/07	0.82	
12/21/07	0.62	
1/4/08	0.35	
1/18/08	0.2	
1/25/08	0.17	
2/9/08	0.13	
2/13/08	0.18	
3/7/08	1.23	
3/14/08	1.1	
3/22/08	0.97	
4/18/08	0.47	
5/2/08	0.14	(CO)

20.May.2008

Proc: Reproductive assessment  
PE: Dr. Schmitt arrived today for ultrasound reproductive exam. The cervix, uterine body and uterine horns are normal. Both ovaries were visualized and appear normal. A DVD copy of the ultrasound is on file. (JJD)

22.May.2008

Elephant herpesvirus serology results reported from the National Zoo lab from the EEHV study.

"Chandra" was in the "high" range immediately after her bout with EEHV. She has been in the lower end of the "grey zone" of in the "low" range since then.

The following is a letter that accompanied the results explaining the test:

The EEHV1 ELISA is in the developmental stage. We are still working on many aspects of the test, including storage conditions for samples,

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22.May.2008

controls to be used, detection systems, and significance of positive/negative titers. We will be using the results over the next six to twelve months to help us determine the optimal ELISA for EEHV. Please keep in mind that your results are part of this developmental process and may not reflect the elephants' actual EEHV status. Thank you for sending samples for us to use in this endeavor.

We classify the ELISA results into three groups based on OD: "low", "grey zone", and "high". We don't classify the results as "positive" or "negative" because we are still characterizing the test and working out the cut-offs. We think that a "high" result may mean that the elephant was exposed in the past to EEHV1 and is making antibodies to it. A "low" value does not mean that the elephant has never been exposed; just that it is not currently making antibodies to EEHV 1. (JJD)

29.May.2008

Proc: Foot radiographs  
PE: Foot radiographs taken of all four feet for baseline analysis. The films were taken using the portable radiograph machine. Two views were taken of the front feet (dorsal-palmar and lateral) and one view was taken of the hind feet (plantar-dorsal). The DP views of the front feet are excellent. Only the distal portion of the toes can be seen on the laterals, the remainder of the foot was too thick for the machine. The radiographs of the back feet also turned out very well. No obvious lesions are noted in any foot. (JJD)

3.Jun.2008

Proc: Trial sedation  
PE: Gave 60 mg azaperone IM in the right caudal thigh muscles. During the initial injection she pulled away and none was injected. During the second injection she held still and all was injected. She seemed to slow down a bit after 15 minutes but continued eating. At 20 minutes post-injection she was seen standing still and resting her trunk on the ground. She had several periodic trance-like episodes but would stir and start moving around again. At 30 minutes post-injection the keepers went through some behaviors with her. She was willing to work but was very spastic and fast in movements. Once the session was ended she went back to eating very calmly. She was worked again at 50 minutes post-injection and again participated normally but was still slightly twitchy and spastic in her movements although less than the previous session. Again after the session ended she went back to nibbling on hay calmly. Unsure if the spastic motions were due to the sedation and altered awareness. Level of sedation was not as profound as expected. Possibly use a higher dose the day of transport and make all movements slow and quiet. (JJD)

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19.Jun.2008

Trunk wash samples returned from NVSL for TB culture - negative.  
(JJD)