

Clinical Notes - Individual Specimen Report
RIO GRANDE ZOOLOGICAL PARK

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ELEPHAS MAXIMUS (no subsp)           Sex: Male           Acc. #: M03031
Indian elephant                     Age: 9Y 7M 4D      Birth: 29.Nov.1998
Name: ALBERT
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.....2006....

7.Jul.2006
Lab: Trunk wash #06-04 submitted to NMVDS for Mycobacterial culture.
(GAD)

11.Jul.2006
Lab: Trunk wash #06-05 submitted to NMVDS for Mycobacterial culture.
(GAD)

12.Jul.2006
Lab: Trunk wash #06-06 submitted to NMVDS for Mycobacterial culture.
(GAD)

14.Jul.2006
Lab: Serum sample submitted to NMVDS for routine serum Vitamin E
level. (GAD)

19.Jul.2006
Weight - 1636 kg. (GAD) Weight: 1636 Kg (3607 Lb)

21.Jul.2006
Lab: Serum Vitamin E: 1.88. Within acceptable limits. (GAD)

29.Aug.2006
Lab: Trunk wash #06-04 submitted 7/7/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

30.Aug.2006
Lab: Trunk wash #06-05 submitted 7/11/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

31.Aug.2006
Lab: Trunk wash #06-06 submitted 7/12/06 cultured negative for
Mycobacteria. Smear negative. (GAD)

1.Sep.2006
Note: Started on beta carotene supplement as per recommendation of
Charlie Gray and Dr. Hildebrandt. Believed to improve sperm quality.
(GAD)

31.Oct.2006
Note: All trunk washes from herd have been consistently negative.
Decrease to once yearly trunk washes in July for TB screens. When
ELISA for TB becomes commercially available, will likely switch to
that method for screening. (GAD)

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.....2007....

16.Feb.2007

CC: Keepers swabbed a thick substance out of Albert's right ear this morning during his bath and submitted to clinic. Non-painful, no inflammation noted.

Lab: Cytology reveals only epithelial cells, rod bacteria ++, and debris. No yeast or white cells noted. Does have a strong odor. Advised to watch for signs of inflammation or pain, no treatment at this time. (GAD)

5.Jun.2007

CC: Semen collection for sperm sorting project. Obtained a urine free sample of concentrated semen, though motility and progression was low, and many detached heads present. Sent to Busch Gardens as a non-viable sample. (GAD)

6.Jul.2007

Lab: Trunk wash #07-01 submitted to NMVDS for Mycobacterial culture. (GAD)

10.Jul.2007

Lab: Trunk wash #07-02 submitted to NMVDS for Mycobacterial culture. (GAD)

11.Jul.2007

Lab: Trunk wash #07-03 submitted to NMVDS for Mycobacterial culture. (GAD)

17.Jul.2007

Lab: Sent 4.0 ml serum collected 7/12/07 to Dr. Michelle Miller at Disney for annual serum banking project. (GAD)

2.Aug.2007

Lab: Urine sample 3+ cloudy, urine crystals = 13 mm. (GAD)

16.Aug.2007

CC: Got knocked down by the other male and was tusked in the side and neck several times, seems to be a little sore from the encounter.
Tx: Bute 2 gm X 2-3 doses. (MJR)

22.Aug.2007

Lab: Trunk wash #07-01 submitted 7/6/07 cultured negative for Mycobacterium. Smear negative. (GAD)

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23.Aug.2007

Lab: Trunk wash #07-02 submitted 7/10/07 cultured negative for Mycobacterium. Smear negative. (GAD)

24.Aug.2007

Lab: Trunk wash #07-03 submitted 7/11/07 cultured negative for Mycobacterium. Presumptive MOTT cultured. Acid fast bacteria isolated, but isolate is not consistent with MTB. Smear negative. (GAD)

31.Oct.2007

Lab: Routine fecal float negative. (GAD)

.....2008....

11.Jan.2008

Note: Review of Emcelle supplementation: Albert is currently on 4 ml once daily. Increase to 6 ml once daily to compensate for growth. (GAD)

13.Mar.2008

CC: Since beginning semen collections, Albert has been producing semen with a "chocolatey" appearance. Some evidence from other institutions suggests this may be a sign of infection in the reproductive tract. Will send a semen sample out for culture. Lab: Sent a fresh semen sample to NMVDS for culture. (GAD)

20.Mar.2008

Lab: Sent serum sample drawn today to NMVDS with request to submit to MSU for Vitamin E level. (GAD)

21.Mar.2008

Lab: Results of Vitamin E sent 3/20/08 - 1.26 ug/ml. (GAD)

24.Mar.2008

Lab: Semen culture results:
1. Moderate Corynebacterium species (non-hemolytic Corynebacterium species, most closely resembles Corynebacterium glucoronolyticam)
2. Moderate, mixed growth
3. Campylobacter not isolated (GAD)

1.Apr.2008

CC: As Corynebacterium glucoronolyticam is a synonym for C. seminale, an organism implicated in some prostatic infections in human men, will culture a second sample. Will request sensitivities if the same organism is cultured. Also will begin a minimum 2 week course of TMS after the second sample has been obtained. (GAD)

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2.Apr.2008

Lab: Sent fresh sample of semen, collected as cleanly as possible, to NMVDS for culture.
Rx: Uniprim powder 4 scoops PO SID x 2 weeks to start tomorrow.
(GAD)

8.Apr.2008

CC: Lead keeper (RS) called me down to the elephant barn in the morning to look at a discolored spot on Albert's tongue as she was concerned that it might possibly be a herpes lesion. The spot in question is irregular in shape, approximately 2 cm x 1 cm, red in color, not raised, with the general appearance of a bruise. Albert and one of the adult females did get in a tussle yesterday and Albert was down on the ground as a result. Albert is not acting sick in any way. The elephant manager (TT) also looked at the tongue and agreed that it looked like a bruise to him also. The mammal curator (LT) and AD (TS) were also informed. The tongue was rechecked at 1 pm and again at 4 pm-the red spot on the tongue is not worsening or spreading. (EJG)

9.Apr.2008

Rechecked Albert's tongue first thing this am. The bruised discoloration is 90% resolved with only a trace remaining. (EJG)

11.Apr.2008

Lab: Second semen sample sent for culture 4/2/08 is growing a Corynebacterium. Lab is working on ID, but this organism is sensitive to TMS. Continue out to two weeks on antibiotics, plus 3 days to make up for days he refused meds. Plan to collect him again at the end of this week to check color. (GAD)

23.Apr.2008

Lab: Sent another semen sample to NMVDS for culture. Continues to exhibit the darker color semen. (GAD)

28.Apr.2008

Lab: Final results of culture on semen sample sent 4/2/08:
1) Moderate Corynebacterium species (most closely resembling C. confusum)
2) Moderate Corynebacterium species (not C. glucuronolyticam)
3) Rare Streptococcus beta hemolytic (not A, B, C, F, G)
4) Few mixed growth

Sensitivity report is in hard copy record, but organism #1 is moderately sensitive to TMS. (GAD)

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7.May.2008

Lab: Results of culture on sample sent 4/23/08:

- 1) Many Corynebacterium species
- 2) many coagulase negative Staphylococcus

Note: Many mixed Corynebacterium species, including *C. confusum* (sensitivities included), *C. gluuronolyticam* (sensitivities included), and an unidentified Corynebacterium species (organism to slow growing for sensitivities).

Sensitivity reports in hard copy record. (GAD)

Report Start Date
10/1/2006

Specimen Report for RIO GRAND / M03031

Report End Date
6/26/2008



Taxonomic name: *Elephas maximus*
Common name: Indian elephant

Family: Elephantidae
Order: Proboscidea

Current information

Sex:	Male	Sire ID:	920199 at African Lion Safari & Game Far
Birth type:	Captive Born	Dam ID:	930100 at African Lion Safari & Game Far
Birth Location:	African Lion Safari & Game Farm Ltd	Rearing:	Parent
Birthdate-Age:	29 Nov 1998 - 9Y,6M,27D	Hybrid:	Not a hybrid
Time since last Acq:	4Y,7M,7D 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>
19 Nov 2003	Loan In from ROCKTON / 980174	RIO GRAND / M03031		

<u>Date</u>	<u>Type</u>	<u>Value</u>	<u>Units</u>	<u>Comments</u>
2 Sep 2007	live animal weight	4168	pound	

<u>Date</u>	<u>Note type</u>	<u>Comments</u>
1 Apr 2008	Medical treatment	Started on antibiotics due to a repro tract infection.
8 Apr 2008	Medical note	Small tongue lesion (bruise) observed.
9 Apr 2008	Medical note	Tongue spot 90% resolved.