

Riverbanks Zoo's Elephant Profile

Scientific Name: *Loxodonta africana*

Common Name: African Elephant

House Name: Robin

Acquisition Date: 19 Oct 2007

Sex: Female **Birth date** ~1970

Birth Place: Wild Caught

Weight 8020 lbs.

Transaction History:

Date	Type	From	To
~1971	Capture	Africa	Bradenton
10 Nov 1972	Transfer	Bradenton	Knoxville
21 Feb 1998	Transfer	Knoxville	Disney AK
19 Oct 2007	Transfer	Disney AK	Riverbanks

Recurring Medical Problems and Current Physical Condition:

- Robin has a scar from a setotomy that no longer requires any additional treatment at this time.

Socialization, Temperament, and Behavior History:

- Robin has diverse socialization experience with other elephants.
- Robin currently ranks third in the herd hierarchy structure
- She is very cautious when moving around other herd mates in the barn and on exhibit. She has demonstrated dominance over Penny #SJ1899, but will quickly retreat when approached by Belle 7031; Belle will confront her until Robin stands still and is submissive
- Robin does not appear to rely on her established bond with Petunia, but will become nervous if Petunia is shifted onto exhibit and out of her sight, while she remains in the barn with the other herd mates.
- Robin does well alone on exhibit or in any combination with Penny and Petunia, but becomes anxious when alone in the barn

Management System:

- Managed utilizing protected contact.
- Robin has been conditioned to respond to head, hip and foot targets. She is very compliant performing daily husbandry behaviors such as, body positions and foot/ear presentations.
- No ankus or chains are utilized at this time.

Types of Reinforcement:

- Desirable behaviors are reinforced with produce, bread, sweet feed, alfalfa hay, warm water, elephant supplement and verbal praise.
- Non-compliant and undesirable behaviors are punished utilizing a "no-response" consequence, which is a temporary loss of reinforcement and interaction.

Breeding Potential:

- Robin is no longer a candidate for breeding and considered post reproductive by the Elephant SSP.
- Currently working on duration of time in ERD

Report Start Date
1/1/1601

Specimen Report for COLUMBIA / 9849

Report End Date
10/14/2008



Taxonomic name: *Loxodonta africana africana*

Family: Elephantidae

Common name: South African bush elephant

Order: Proboscidea

Current information

Sex: Female Sire ID: UNK at Unknown Location
Birth type: Unknown Dam ID: UNK at Unknown Location
Birth Location: Unknown Location Rearing: Unknown
Birthdate-Age: ~ 1970 - ~37Y Hybrid: Not a hybrid
Time since last Acq: 0Y,11M,26D 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 Oct 2007	Donation from DISNEY AK / 980338	COLUMBIA / 9849		
<u>Date</u>	<u>Identifier type</u>	<u>Identifier</u>	<u>Location</u>	<u>Comments</u>
19 Oct 2007	House Name	ROBIN		
30 Oct 2007	Regional Studbook #	92	AZA	
<u>Date</u>	<u>Type</u>	<u>Value</u>	<u>Units</u>	<u>Comments</u>
10 Nov 2006	live animal weight	3613.6	kilogram	7950 lbs at Disney
30 Apr 2008	shoulder height	7.25	feet	Approximate height from withers 7 feet 9 inches
<u>Date</u>	<u>Note type</u>	<u>Comments</u>		
19 Oct 2007	Acquisition note	0.2 elephants 9848 Petunia & 9849 Robin arrived today by truck from Disney's Animal Kingdom. They offloaded into the barn without a problem. Disney transferred the elephants to Riverbanks because Petunia & Robin were aggressive to the 3 young calves in their herd and, therefore, could not live with the herd.		
19 Oct 2007	Acquisition note	Robin was purchased by Knoxville (ID 161) from Bradenton on 10 Nov 72. Disney (ID 980338) purchased her from Knoxville on 21 Feb 1998.		
20 Oct 2007	Behavior note	9848 Petunia and 9849 Robin are adjusting very well to the new surroundings and keepers. To clean the exhibit, SJ1899 Penny and 7031 Belle were shifted into the first stall and paddock area. All elephants responded calmly, smelling the air. Keepers began working Petunia and Robin on target, shifting from one stall to another, coming when called, and standing in line with trainer.		
20 Oct 2007	Diet	9848 Petunia and 9849 Robin received 1.5 bales of coastal each throughout the day and 0.5 bales of wheat straw		
21 Oct 2007	Diet	9848 Petunia and 9849 Robin began transition to elephant supplement. One pound of elephant supplement was added to four pounds of the high fiber pellet BID. Supplement will slowly be increased.		
21 Oct 2007	Behavior note	9848 Petunia and 9849 Robin are transitioning fairly well. In AM, both responded very well to training routine. At mid-day, Petunia was slow to respond to shifting; she seemed anxious when closed into stall #3 and did not want the hay offered to her. SJ1899 Penny and 7031 Belle were given access to stall #1, the paddock, and exhibit overnight. Robin was in stall #3 and Petunia was in stall #4.		
22 Oct 2007	Animal management note	During mid-day shift, 9848 Petunia had trouble shifting into stall 3 again. She exhibited the same behavior as yesterday. Therefore, keepers shifted Penny and Belle into the paddock and fed them there, so the exhibit could be maintained. For the evening, Petunia was given stall 1 and 2 and 9849 Robin was given stall 3 and 4. Petunia seems really comfortable in the first two stalls and is very compliant with keepers until she is shifted into stall 3; then she shuts down and is non-responsive. Keepers will start working on increasing the duration she is locked into stall 3		
23 Oct 2007	Physical condition	9849 Robin lost about a 3 inch piece of her top right molar today. The top left molar also is missing a similar size piece.		
23 Oct 2007	Animal management note	9848 Petunia shifting into stall 3 more reliably and quicker than yesterday. Keepers mixed it up and didn't always shut the door behind her. She was fed grain in stall 3 both times and given rewards for coming into stall 3 when called. SJ1899 Penny and 7031 Belle shifted into stall 1 and paddock for mid-day, Petunia 9848 in stall 3 & Robin 9849 in 4. During evening, Penny and Belle had the exhibit and paddock; Petunia has stalls 1,2 and Robin stalls 3,4.		
23 Oct 2007	Animal management note	Petunia and Robin were given short training sessions in afternoon		



25 Oct 2007	Diet	Elephant supplement has been increased to 2.5 pounds and high fiber diet 2.5 BID per elephant for Petunia & Robiin; slowly transitioning to 100% elephant supplement
26 Oct 2007	Animal management note	In AM, training session with Robin 9849
27 Oct 2007	Animal management note	0.2 elephants 9848 Petunia & 9849 Robin had morning training sessions
29 Oct 2007	Medical note	First quarantine fecal collected on Petunia & Robin.
31 Oct 2007	Animal management note	Yesterday & today, Petunia and Robin had afternoon training sessions
1 Nov 2007	Diet	9848 Petunia and 9849 Robin are now eating 100% elephant supplement
2 Nov 2007	Medical note	Robin 9849 seems a little off her normal behavior & routine. She is not eating hay as quickly as normal and took her time eating bamboo. She takes the hay and swats at her belly. She holds up her back legs interchangeably. She seems irritated & uncomfortable, especially in morning. In afternoon, she ate browse and hay normally. She worked two sessions and seemed very motivated. Keepers gave her browse throughout the day, along with bran and drinks of warm water. Vet informed.
3 Nov 2007	Medical note	Robin had half normal fecal output. She only defecated twice throughout day; however, the second time was normal amount. She did seem to strain. Keepers continued to give her warm water, flavored warm water, bran, chipped browse, and whole browse. She did not want to take water from hose today, but did take it out of the bucket. She seemed more finicky with the water as the day progressed. She was given a pumpkin. She did eat normally today & seemed to really enjoy the browse; still seems a little slow with the hay. Fecal sample submitted. Will continue to monitor.
4 Nov 2007	Medical note	Overnight, Robin had better fecal output but it was a little soft and the amount wasn't as much as normal. During the day, she appeared to feel fine and fecal output was better than yesterday with 5 piles of feces. Keepers continued to give her bran, browse, and water.
5 Nov 2007	Medical note	Robin had normal fecal output overnight and during the day. She appeared to feel fine. Keepers continued to give her browse and warm water.
5 Nov 2007	Medical note	0.2 9848 Petunia and 9849 Robin's second quarantine fecal sample was submitted
6 Nov 2007	Medical note	Robin appears to be doing well; appetite and behavior normal. Fecal output still low, but could be due to the switch from high fiber grain to elephant supplement. Petunia 9848 also has decrease in fecal output
7 Nov 2007	Diet	9849 Robin's straw was increased to 1.25 bales; total amount of hay/straw mixture is 2.75 bales
12 Nov 2007	Medical note	9848 Petunia & 9849 Robin's last quarantine fecal sample was submitted.
13 Nov 2007	Medical note	Hair follicles on the trunks of Petunia & Robin seemed to be infected or irritated. Vet staff examined the issue. Keepers will continue to monitor.
23 Nov 2007	Animal management note	Afternoon training session in the barn for Petunia & Robin
24 Nov 2007	Medical note	Keepers lightly scrubbed infected hair follicles on 9848 Petunia and 9849 Robin's trunk. Robin's are more pronounced and whitish in color. Petunia's are more skin color and are not that raised or abundant. Both animals did well with this new training.
27 Nov 2007	Introduction Note	Tactile intorduction of 9849 Robin and 7031 Belle. Both animals demonstrated submissive and non-submissive behaviors
27 Nov 2007	Medical note	Robin has a small round hard lump on right side behind front leg. Vet notified, will check Thursday
29 Nov 2007	Introduction Note	Tactile introductions between SJ1899 Penny and 9849 Robin. Penny was submissive to Robin
30 Nov 2007	Introduction Note	SJ1899 Penny, 9848 Petunia and 9849 Robin had tactile introductions. Penny was cautious to approach the new females and was not completely submissive.
1 Dec 2007	Introduction Note	Introductions with 7031 Belle & 9848 Petunia; and with SJ1899 Penny and 9849 Robin.
6 Dec 2007	Introduction Note	Today's tactile introduction with Penny & Robin went well.
6 Dec 2007	Animal management note	Belle 7031 in stall 1, SJ1899 Penny in stall 2, 9849 Robin in stall 3 & 9848 Petunia in stall 4. Tonight is the first night that all four elepahts were locked inside the barn with no access due to very cold overnight temperatures
7 Dec 2007	Behavior note	Elephants seemed to have done well last night locked inside. They will be inside again tonight due to cold temperatures with the same stall set up
8 Dec 2007	Introduction Note	Tactile introduction from 1130AM to 145PM with Penny, Belle, and Robin. Penny and Belle were on exhibit, and Robin was in the paddock with access to stall 1. This was the first day Robin had access to the paddock. She appeared calm and shifted in and out of barn easily. Belle and Penny were curious, but calm. Brief tactile interaction between the three.

Report Start Date
1/1/1601

Specimen Report for COLUMBIA / 9849

Report End Date
10/14/2008



11 Dec 2007	Introduction Note	In the afternoon, Robin was given access to paddock and stall 1. Everything went smoothly
13 Dec 2007	Introduction Note	Petunia had access to the paddock and stall 1. She had some interaction through the barrier with Penny and Belle on exhibit. In afternoon, Robin was given access to the paddock and stalls 1-3 with Petunia. Both did really well together and as did the two on exhibit
14 Dec 2007	Introduction Note	Morning and afternoon, Petunia and Robin had access to paddock and stall 1. They were shifted inside for lunch. Did very well
15 Dec 2007	Behavior note	0.2 9848 Petunia and 9849 Robin were given access to paddock and Stall 1 for the day. At lunch, Keeper came to check on them and to give them more hay if needed. Petunia chipped small portion of right tusk during interaction with Belle 7031
15 Dec 2007	Animal management note	Keepers added more sand to the paddock and exhibit in front of outside doors. Also, evened out and cleaned up the areas before concrete doors.
16 Dec 2007	Animal management note	Petunia and Robin had access to the paddock and stall 1 for most of the day.
17 Dec 2007	Animal management note	0.2 9848 Petunia and 9849 Robin had access to paddock area and stall 1 for most of the day
19 Dec 2007	Animal management note	In AM, 9848 Petunia and 9849 Robin had training sessions
20 Dec 2007	Animal management note	Keepers attempted to shift 9848 Petunia and 9849 Robin onto exhibit and Penny SJ1899 and Belle 7031 into the barn and paddock.
3 Jan 2008	Physical condition	When Robin shifted shifting into barn, Keepers noticed that her right tusk was broken. The remaining section under the break was very sharp and could potentially cause more damage. For safety, Keepers cut the sharp jagged edge off. She was very compliant and is doing well
4 Jan 2008	Foot management	Robin's feet were trimmed and the nails filed
9 Jan 2008	Animal management note	Morning training sessions with elephants.
10 Jan 2008	Foot management	Robin received routine foot care on her front feet.
10 Jan 2008	Introduction Note	Physical introduction started in the barn for Robin, Petunia, Penny & Belle today. Penny was submissive to Petunia.
12 Jan 2008	Foot management	Routine foot care on Robin's back feet
12 Jan 2008	Animal management note	Large logs were removed from the elephant exhibit and replaced with new sweet gum logs.
13 Jan 2008	Animal management note	Keepers removed more old logs from elephant yard
15 Jan 2008	Introduction Note	Physical introduction conducted between 9848 Petunia and 7031 Belle. Petunia was submissive to Belle. Physical introductions between Belle and Robin. Robin was submissive to Belle
16 Jan 2008	Animal management note	Maintenance worked on elephant hotwire by laying the conduit to connect the final three hotwire cables
18 Jan 2008	Introduction Note	Physical introductions between Penny and Robin. Neither was submissive or dominant. Penny seemed more comfortable in the shared space than Robin; but it went very smoothly and calm
18 Jan 2008	Animal management note	Petunia and Robin received ERD training
18 Jan 2008	Animal management note	Maintenance continues to work on elephant hotwire
22 Jan 2008	Introduction Note	This afternoon, physical introductions were conducted between SJ1899 Penny & 9849 Robin
24 Jan 2008	Introduction Note	Physical introduction between 7031 Belle and 9849 Robin. Robin was submissive to Belle
26 Jan 2008	Animal management note	0.4 SJ1899 Penny, 7031 Belle, 9848 Petunia, and 9849 Robin received training sessions today
26 Jan 2008	Medical note	Robin has small place on her tail where folliculitis is starting to develop. Vet notified & will start treatment of antibiotic scrub
31 Jan 2008	Introduction Note	Today, for the first time, 0.2 9848 Robin and 9849 Petunia went onto the exhibit. They had access to the paddock as well. Penny SJ1899 and 7031 Belle were kept in the barn for the day. Robin and Petunia did very well on exhibit and explored the entire area
1 Feb 2008	Behavior note	9848 Petunia and 9849 Robin went on exhibit again today for 1/2 day & they did very well. They were shut onto exhibit and the other females were given the paddock and the barn. Penny SJ1899 and Belle 7031 went onto exhibit in afternoon, while Robin and Petunia had the paddock and barn.
7 Feb 2008	Introduction Note	Physical introductions with Belle, Petunia & Robin utilizing barn and paddock area.
8 Feb 2008	Introduction Note	Physical introduction conducted today with Belle, Penny, Robin & Petunia utilizing barn, paddock, and yard. It went very well. Belle is definitely the matriarch.
9 Feb 2008	Introduction Note	Penny, Belle, Petunia, & Robin were on exhibit with access to the paddock for the day. A brief introduction was conducted between Belle, Robin and Petunia before letting everyone together on exhibit



11 Feb 2008	Introduction Note	Yesterday and today, SJ1899 Penny, 7031 Belle, 9848 Petunia & 9849 Robin were given access to exhibit and paddock. All were let out without small group introductions. It went very well and reduced some anxiety. They utilized all the exhibit and interacted very well together
12 Feb 2008	Foot management	Follow up foot and nail work for Robin & Petunia
13 Feb 2008	Animal management note	Stall arrangements were changed for Penny, Belle, Robin & Petunia to help with shifting
27 Feb 2008	Foot management	0.1 9849 Robin- trimmed toenails on all four feet.
28 Feb 2008	Animal management note	In AM, training sessions were conducted with SJ1899 Penny, 7031 Belle, 9848 Petunia & 9849 Robin.
11 Mar 2008	Medical note	SJ1899 Penny, 7031 Belle, 9848 Petunia & 9849 Robin had the first of three tuberculosis trunk wash tests
13 Mar 2008	Medical note	SJ1899 Penny, 7031 Belle, 9848 Petunia & 9849 Robin had the second of three tuberculosis trunk wash tests
15 Mar 2008	Medical note	SJ1899 Penny, 7031 Belle, 9848 Petunia & 9849 Robin had the third of three tuberculosis trunk wash tests
21 Mar 2008	Foot management	Robin's back feet were trimmed and nails filed
22 Mar 2008	Medical note	0.1 9849 Robin's pile of stool in barn had black coating on outside of bolus, but inside appeared normal. A sample was taken to vet to check and there was nothing abnormal, maybe an increase in moisture
8 Apr 2008	Animal management note	More screening was added to the mud hole outside door in elephant paddock
11 Apr 2008	Animal management note	A new fire alarm system was installed in the elephant barn
15 Apr 2008	Foot management	Robin's front feet were trimmed and her nails filed
19 Apr 2008	Foot management	Robin's back feet were trimmed and her nails were filed. Keeper noticed that she has a small cut on the outer edge of her right foot that is clean but appears to be developing into a hole. Dr. Moore checked and keepers will monitor for possible development of infection.
26 Apr 2008	Animal management note	Today, 0.4 SJ1899 Penny, 7031 Belle, 9848 Petunia, & 9849 Robin were trained in the ERD
26 Apr 2008	Medical note	Robin has an area on her old incision that has some puss. It was opened and a hair was found sticking out of it. Keeper pulled hair out and cleaned area. Keepers are continuing to monitor the cut on outer edge of her right rear foot. It appears to have widened, but remains clean and is not sensitive to touch.
27 Apr 2008	Animal management note	7031 Belle & 9849 Robin were trained in the ERD today
30 Apr 2008	Diet	SJ1899 Penny receives 50 pounds of hay and 10 pounds of straw; 7031 Belle receives 65 pounds of hay and 10 pounds of straw; 9848 Petunia receives 50 pounds of hay and 10 pounds of straw; 9849 Robin receives 75 pounds of hay and couple flakes of straw to help aide in her transition to straw. Now weighing hay instead of counting number of bales to get a more accurate weight since bale weight varies with each shipment
30 Apr 2008	Physical condition	Approximate height from withers of: SJ1899 Penny 8 feet 3 inches; 7031 Belle 7 feet 5 inches; 9848 Petunia 7 feet 9 inches; and 9849 Robin 7 feet 9 inches
3 May 2008	Animal management note	Yesterday & today, SJ1899 Penny, 7031 Belle, 9848 Petunia, and 9849 Robin were trained in the ERD
9 May 2008	Behavior note	For the past 2 nights, 0.4 elephants had access to the exhibit and barn & they did very well
13 May 2008	Medical note	Robin came off the exhibit during mid-day. In the barn, she did not want to eat and was standing in stall with legs crossed and legs up on the bars. She was a little responsive to keepers and accepted some limited food items. She received 27 ml of banamine injected in vein. She started to perk up within an hour and was eating grain, produce and hay. Keeper came back at 10pm to check on her and she was fine, eating well and drank some water. She had one fecal output throughout the night. Will continue to monitor
14 May 2008	Behavior note	0.1 9849 Robin's appetite and behavior were normal today. She ate grain and hay in stall and on exhibit
15 May 2008	Medical note	9849 Robin did not have a normal amount of stool in her stall overnight. 3 scoops bran once a day was added to her diet.
16 May 2008	Medical note	Robin did not have normal amount of stool in her stall overnight, but it has increased since the night before.
17 May 2008	Physical condition	0.1 9849 Robin appears to be doing better. Elephants had access to exhibit and barn last night and again tonight which will allow her more exercise. Her fecal output will be evaluated for the next two nights. She will continue to receive her bran until Tuesday, when we re-evaluate
21 May 2008	Animal management note	Elephants have access to the exhibit and barn tonight

Report Start Date
1/1/1601

Specimen Report for COLUMBIA / 9849

Report End Date
10/14/2008



22 May 2008	Animal management note	Today, 3 truck loads of sand were delivered to the elephant exhibit. Collected samples from the elephant hay trailer and alfalfa for analysis
22 May 2008	Animal management note	Elephants have access to the exhibit and barn tonight
23 May 2008	Foot management	Robin's front feet were trimmed and nails filed
30 May 2008	Diet	0.4 Elephants hay and straw ratio has changed; they will receive 140 pounds of hay and 60 pounds of straw on the yard when they have access overnight
6 Jun 2008	Foot management	Robin's front feet were trimmed and the nails filed
10 Jun 2008	Foot management	Robin's front feet were trimmed and the nails filed.
19 Jun 2008	Medical note	Robin's scar on her hind end has opened up. Keepers will monitor and clean with novalsan daily.
24 Jun 2008	Medical note	When backing out of the ERD, Robin slipped and now her right front leg is stiff. It appears more painful and stiff around the shoulder area, but the ankle joint appears stiff as well. Notified vet who perscribed pain medication for three days
25 Jun 2008	Medical note	Robin continues to have a slight limp on front right leg but not any worse than yesterday and it appears to be a little better than yesterday
26 Jun 2008	Medical note	Robin finished her pain medicaton. Her front right leg appears better, no noticeable limp. Will continue to monitor.
1 Jul 2008	Medical note	0.1 9849 Robin's feces has an excess amount of sand. Vet informed, started psyllium pellets, 8 scoops SID for 7 days
2 Jul 2008	Medical note	9849 Robin ripped about 1/3 of her second toe nail on left rear foot. Keepers removed the portion that was hanging off and treated with novalsan BID per vet request. Keepers will stop treating old scar under tail to allow to scab and continue watching it per vet request.
3 Jul 2008	Foot management	Another small section is coming loose from Robin's second toenail on her left rear foot and a pocket is developing under the nail. Keeper cut small pieces off with hoof clippers and this will continue to be done daily as necessary. Cleaned with novalsan in spray bottle
4 Jul 2008	Foot management	Robin received routine foot care on her hind feet. Keeper clipped more loose toenail from her 2nd toenail on her hind foot. Cleaning the area twice a day
5 Jul 2008	Medical note	Keeper cleaned Robin's toe nail today and it seemed less painful than yesterday. No additional pieces of nail had to be cut off. Cleaning the area twice a day
6 Jul 2008	Medical note	Keeper cleaned Robin's toe nail twice. The nail looks the same and still seems slightly tender. Cleaning the area twice a day
7 Jul 2008	Medical note	Robin finished psyllium. Her feces will be checked tomorrow.
8 Jul 2008	Foot management	Robin's front feet were trimmed and the filed nails. More nail on her second toe of her left foot had to be removed because it was loose. Cleaning the area twice a day
9 Jul 2008	Medical note	Robin's feces was rechecked for sand. Normal amount.
12 Jul 2008	Foot management	0.1 9849 Robin's second toe nail on her left rear foot had to be trimmed more because of open pockets under existing nail and the threat of fungus growing underneath. Keepers are working on keeping it clean and minimizing pockets.
17 Jul 2008	Medical note	0.1 9849 Robin's second toe nail on her left rear foot had some puss on the area where nail is missing. A thin coating flaked off when washed with water. Dr. Benson notified and he checked her. More cutting will be done on the area to check for possible infection
18 Jul 2008	Medical note	Robin's left rear toenail was opened up to look for signs of infection; none was found.
19 Jul 2008	Animal management note	0.4 SJ1899 Penny, 7031 Belle, 9848 Petunia, and 9849 Robin were trained in the ERD today
19 Jul 2008	Medical note	Robin's left rear toenail looked clean this morning, no puss was noticed
27 Jul 2008	Foot management	Keepers began treating Robin's 9849 feet SID with a 10% bleach solution to reduce fungus growth
31 Jul 2008	Medical note	A red mucous-like substance was found on floor in first elephant stall from either Robin 9849 or Penny SJ1899. Keepers will monitor both for any signs of where it is coming from. Took sample to vet
1 Aug 2008	Foot management	Follow up foot trim on all four of Robin's feet
2 Aug 2008	Animal management note	Elephant hay and straw usage changed from bales to pounds. 350 pounds of hay for the day and 40 pounds of straw per day
19 Aug 2008	Foot management	9849 Robin- worked on all 4 feet

Report Start Date
1/1/1601

Specimen Report for COLUMBIA / 9849

Report End Date
10/14/2008



29 Aug 2008	Foot management	Robin's back feet were trimmed
29 Aug 2008	Behavior note	The scar under Robin's tail area was opened up by Petunia when she pushed Robin. Just the top layer of skin peeled off.
30 Aug 2008	Foot management	Robin's front feet were trimmed and the nails filed
5 Sep 2008	Foot management	9848 Petunia and 9849 Robin had all 4 feet trimmed
12 Sep 2008	Foot management	9849 Robin and 9848 Petunia trimmed all four feet and filed nails
23 Sep 2008	Foot management	All four of Robin's feet were trimmed

<u>Date</u>	<u>Enclosure</u>	<u>Reason</u>
19 Oct 2007	ELEPHANT	Quarantined in Elephant Barn

<u>Date</u>	<u>Sex</u>	<u>Comments</u>
19 Oct 2007	Female	

<u>Date</u>	<u>Rearing</u>	<u>Comments</u>
19 Oct 2007	Unknown	

<u>Date</u>	<u>Parent(s)</u>	<u>local Id</u>	<u>Location</u>	<u>Comments</u>
10 Oct 1970	Sire	UNK	UNKNOWN	
10 Oct 1970	Dam	UNK	UNKNOWN	

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====

LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 9849
South African bush elephant	Age: 38Y Est.	Birth: 10.Nov.1970
Name: ROBIN		

=====

.....2007...

19.Oct.2007

Obs: Arrived from Disney's Animal Kingdom (TM)

20.Oct.2007

Obs: Keeper reports animals appear to be adjusting well (TM)

21.Oct.2007

Obs: Began transitioning new animals to elephant supplement. Added one pound of elephant supplement to four pounds of the high fiber pellet BID; will slowly increase supplement. (TM)

23.Oct.2007

Obs: Keeper reports animal lost an approx. 3 in piece of the top right molar today. The top left molar also is missing a similar size piece.

P: Monitor. (TM)

29.Oct.2007

Lab: QX fecal#1
Direct: NPS
Float: NPS (JM)

1.Nov.2007

Obs: Animals were transitioned to our elephant supplement and are now on it 100% (TM)

3.Nov.2007

Fecal (in house): Diagnostic fecal
Direct: nps
Float: nps

Appetite has picked up, some straining when defecating.

P: Monitor. (KB)

4.Nov.2007

Increased fecal output overnight.

P: Continue Bran, browse and offering water to encourage intake.
(KB)

5.Nov.2007

Lab: QX fecal#2
Direct: NPS
Float: NPS (JM)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====
LOXODONTA AFRICANA AFRICANA Sex: Female Acc. #: 9849
South African bush elephant Age: 38Y Est. Birth: 10.Nov.1970
Name: ROBIN
=====

7.Nov.2007

Lab: Enteric Pathogens (Lexington): No Salmonella, Shigella,
Campylobacter,
or E. Coli 0157 (JM)

12.Nov.2007

Lab: In house QX#3 fecal
Direct: NPS
Float: NPS (JM)

13.Nov.2007

Hx: Keeper reports follicles from hair on trunk are enlarged
Visual exam: Base of hair follicles is white and enlarged; no
evidence of discharge at this time.
A: Suspect folliculitis which has been seen in these animals
previously.
P: KB rec. to clean the trunk with a scrub brush. (TM)

24.Nov.2007

Follicles on trunk remain raised, but are not causing any difficulty
to the animal and she readily accepts topical cleaning of the area.
P: Continue to clean the area with a scrub brush and remove the
scurf as needed. (KB)

27.Nov.2007

Obs: Tactile introductions between 9849 and 7031 (TM)

29.Nov.2007

CC: Brief exam
Hx: Keeper noted a swelling on the animal's right side yesterday;
unsure if it had been there previously and just wasn't noted.
Believes it is less swollen today.
Exam: Swelling is approximately 45x55mm on the right thorax
approximately 2/3 of the way down. It is firm with no distinct
edges. Feels as if it is in the skin or just SQ.
A: OPEN; suspect resolving inflammatory tissue
P: Monitor. May need to be aspirated if it gets bigger.

Obs: Tactile introductions between SJ1899 and 9849 (TM)

30.Nov.2007

Obs: Tactile introductions between SJ1899, 9849 and 9848 (TM)

1.Dec.2007

Obs: Introductions beginning between all of the elephants (7031 9848,
9849 and SJ1899) (TM)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====
LOXODONTA AFRICANA AFRICANA Sex: Female Acc. #: 9849
South African bush elephant Age: 38Y Est. Birth: 10.Nov.1970
Name: ROBIN
=====

.....2008...

3.Jan.2008

Obs: Keeper noticed animal had broken her right tusk; they removed the sharp jagged edge (TM)

26.Jan.2008

Obs: Area on tail looks like folliculitis starting
P: Keepers to clean with nolvasan (TM)

1.Feb.2008

Obs: 9848 and 9849 on exhibit for 1/2 day (TM)

7.Feb.2008

Obs: Physical introductions between 7031, 9848 and 9849 using the barn and paddock. (TM)

8.Feb.2008

Obs: Physical introductions between SJ1899, 7031, 9848 and 9849 using the barn, paddock and yard. (TM)

9.Feb.2008

Obs: All four animals (SJ1899, 7031, 9848 and 9849) on exhibit today. (TM)

11.Mar.2008

Procedure: Observed trunk wash for TB test (TM)

13.Mar.2008

Procedure: Observed trunk wash for TB test (TM)

15.Mar.2008

Procedure: Observed trunk wash for TB test (TM)

22.Mar.2008

CC: Fecal exam

Hx: Keepers reported animal had some sections of feces that looked black on the outside, but normal on the inside yesterday and again today.

S/O: Feces appear to be more tightly packed on the "outside" of the sample submitted. When it was teased apart, it looked normal. May have more moisture.

occult blood - neg

A: Particles of feces sticking closer together on the outside thus creating the illusion of darker, black coating.

P: No changes necessary based on current information. (TM)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

LOXODONTA AFRICANA AFRICANA
South African bush elephant
Name: ROBIN

Sex: Female
Age: 38Y Est.

Acc. #: 9849
Birth: 10.Nov.1970

3.Apr.2008

Antech Superchem: Glu= 69, BUN= 17, Creat= 1.1, TP= 8.0, ALB= 3.1, T
bili= 0.2, ALP= 48, ALT= 4, AST= 19, Chol= 60, Ca++= template for,
Phos= 4.3, Na+= 133, K+= 4.9, Cl-= 93, Glob= 4.9, Lipase= 12, Amylase=
11,058, Trig= 52, CPK= 191, GGPT= 15, Mg= 2.2,

Comments hemolysis 1+, the following results may be affected by this
degree of hemolysis:

ALT may be increased by 15-20%

AST may be increased by up to 10%

LDH may be increased by up to 20%

Direct bilirubin may be decreased up to 80%

A: There is a slight elevation of BUN per the Isis Reference Range
and Fowler Five, Where 16 at the upper end of normal. All of the
other values with the exception of analysts are within the Isis
reference range of the mean +/- two standard deviations. The degree
of elevation in the BUN is very minor being a single point. Other
possibilities for elevated BUN include: Mild to moderate increases can
result from prerenal causes such as dehydration, decreased cardiac
output, or shock (increased concentration of BUN exceeds creatinine).
Renal disease of virtually any etiology (inflammatory, degenerative,
neoplastic, congenital, toxic, or other) can cause azotemia
(concentrations of BUN and creatinine often parallel). Urinary outflow
obstruction results in postrenal azotemia (increased BUN and
creatinine). Gastrointestinal hemorrhage results in increased urea
production (less effect on creatinine concentration). Given that this
value is on a single point above the nor reference range, it may well
be a spurious result. The sample had also sat out for considerable
period of time prior to being spun down and some sample degradation
may have occurred. The elevated amylase (normal is 0-5337) is
interesting, the animal exhibits no signs of disease associated with
its gastrointestinal tract or pancreas at this time. Differential
diagnoses associated with elevations in amylase would include:
Pancreatitis; decreased glomerular filtration (increase is usually
less than three times upper reference range value).

P: Request urine sample, and repeat bloodwork at earliest
opportunity. This is somewhat dependent upon the animals training.
(KB)

4.Apr.2008

Lab: Routine bloodwork results

Note: Bloodwork recorded yesterday was drawn March 29th; today's
report was collected yesterday

O: hgb 12.9, Hct 37.8, rbc 3.00, MCV 126, MCH 43, MCHC 34.1, platelet
count 282, platelet estimate adequate, wbc 7500, pmn's (27%) 2025,
lymphocytes (70%) 5250, monocytes (2%) 150, eosinophils (1%) 75

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

LOXODONTA AFRICANA AFRICANA
South African bush elephant
Name: ROBIN

Sex: Female
Age: 38Y Est.

Acc. #: 9849
Birth: 10.Nov.1970

4.Apr.2008

glucose 88, BUN 17, CR 1.2, tprotein 8.2, albumin 3.2, t.bili 0.2, ALP 47, AST 17, cholesterol 59, Ca 10.6, P 4.3, Na 132, K 4.7, Cl 91, globulin 5.0, cpk 264, GGTP 13, LDH 418, Mg 2.1, fibrinogen 292

A: BUN same result as last week. Different panel run, so no amylase for comparison.

P: Keepers still attempting urine collection.

Lab (JM): In house HCT: 36%
TP: 7.4mg/dl (TM)

8.Apr.2008

Urinalysis

1. Collection method: Boyd, color: yellow, turbidity: cloudy, SG: 1.031, nitrite: positive, urobilinogen: negative, protein: negative, pH: 8.0, blood: negative, ketone: negative, bilirubin: negative, glucose: negative,

Sediment: difficult to evaluate due to large amount of debris.

Urine specific gravity is elevated enough to demonstrate that this animal has the ability to concentrate its urine.

2. Urine protein creatinine ratio
Creatinine (urine) 154.7 mg/dL
Total Protein (urine) 0.0 mg/dL
Ratio 0

** note: the protein:creatinine ratio must be evaluated in conjunction with urine sediment findings as hematuria or inflammation can cause elevated ratios. Urine ratios ≥ 0.5 in dogs and cats indicate overt proteinuria and are evidence of persistent renal proteinuria when found repeatedly (3 or more samples obtained two or more weeks apart) and are unable to be attributed to a pre-renal or post-renal cause. Microalbuminuria precedes overt proteinuria and can be detected with urine microalbumin test. In dogs, persistent renal proteinuria with urine protein: creatinine ratio of ≥ 2.0 is usually due to glomerular disease.

3. Microalbuminuria 0.3 mg/dL
it present studies indicate the normal range for the microalbuminuria test is <2.5 mg/dL rather than <1 milligram per deciliter.

A: The above values do not support a diagnosis of renal disease or insufficiency.

P: Continue to monitor blood urea nitrogen in creatinine with routine monthly blood work. (KB)

10.Apr.2008

Lab: In house HCT: 38%
TP: 8.0mg/dl (JM)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====

LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 9849
South African bush elephant	Age: 38Y Est.	Birth: 10.Nov.1970
Name: ROBIN		

=====

12.Apr.2008

Lab: Routine labwork results (collected April 10th)

O: hgb 13.2, Hct 39.6, rbc 2.99, MCV 132, MCh 44.1, MCHC 33.3, platelet count 442, platelet estimate increased, wbc 6800, pmn's (52%) 3536, lymphocytes (34%) 2312, monocytes (11%) 748, eosinophils (3%) 204

glucose 80, BUN 18, Cr 1.2, tprotein 8.1, albumin 3.1, tbili 0.2, ALP 43, AST 17, cholesterol 60, Ca 10.6, P 4.2, Na 132, K 4.5, Cl 90, globulin 5.0, CPk 170, GGTP 13, LDH 384, fibrinogen 249, amylase 10456, lipase 13, Mg 2.1

A: Amylase similar to other cows in the herd. BUN is similar to last week, may be pre-renal as animal is able to concentrate her urine. Cr within normal limits.

P: No changes necessary based on current information. (TM)

19.Apr.2008

CC: Senior keeper reports a small lesion on the lateral aspect of the right rear foot. There is a small area of thinning footpad at the junction between the skin of the foot and the pad itself. This area is also a little soft to the touch, but not warm, painful, or red. The epithelium appears normal in the area appears to be filling in. The keepers will monitor for any signs of infection or progression to a fistula. (KB)

29.Apr.2008

CC: Keepers found and debrided an ingrown hair along this animals epiotomy scar. The small abrasion on the right rear is still rpresent, but is causing no problem and the keepers are monitoring it for signs of infection.

P: Clean and flush with nolvasan (KB)

30.Apr.2008

Note: Keepers have switched to feeding animals by weight, not bales of hay. This animal is receiving 75# of hay. Trying to reintroduce straw back into diet; they didn't eat it well when they were getting bad hay. She does not eat it reliably, so it won't be considered as part of her diet but they are giving her at least a little bit daily to encourage her to eat it.

Keepers noted today that the animal had purulent material coming from her previous incision site on the 26th. They cleaned it with novlasan and pulled an approximately 5cm hair out of the incision - animal didn't seem to mind. She also reports the spot on the side of her right rear foot is wider, but not deeper.

P: Monitor. (TM)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====

LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 9849
South African bush elephant	Age: 38Y Est.	Birth: 10.Nov.1970
Name: ROBIN		

=====

13.May.2008

CC: Signs of colic, depressed, inappetant, lifting rear feet, leaning on structures etc. This elephant is also passing loose stool. Requested keepers draw blood for a CBC and chemistry, and attempt to administer 1 mg/kg of flunixin meglumine IV.

Unable to get an adequate sample for hematology and chemistry evaluation, but the keeper staff was able to get approximately 0.5 mg/kg of flunixin meglumine delivered IV. The elephant appears much improved, as brighter and is consuming hay and a very normal pace.

We will attempt phlebotomy again in the morning. (KB)

14.May.2008

Obs: Animal is BAR this morning; she is eating her hay and her grain. There is one pile of feces in the stall.

A: Mild colic; cause unknown. It would be best for her to get out and walk around as she did not produce a lot of feces overnight and that will help keep things moving.

P: Okay to put out on exhibit. (TM)

15.May.2008

Obs: Appears clinically normal at this time. Limited stool production overnight.

P: put out with conspecifics and encourage to walk. Suggested Bran as a laxative.

Note (TM) from keeper report: started 3 scoops of bran SID (KB)

16.May.2008

Obs: More stool than last night, but still not a normal amount in her stall this morning. Doing well on exhibit; using bran as recommended.

P: Okay to keep out on exhibit tonight. The increased exercise will help keep her gi tract moving. (TM)

17.May.2008

Obs: Keeper reports animal is BAR this morning. There was a lot of feces on exhibit, so although they can't tell which is from this animal specifically, it looks like a normal amount for four elephants.

P: Okay to keep outside at night for the next couple of days.

Continue bran as prescribed for the next couple of days; re-evaluate on the 20th. (TM)

30.May.2008

Obs: Animals (7031, SJ1899, 9848 and 9849) now receiving 140# of hay and 60# of straw on the yard. (TM)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====
LOXODONTA AFRICANA AFRICANA
South African bush elephant
Name: ROBIN
=====

Sex: Female
Age: 38Y Est.

Acc. #: 9849
Birth: 10.Nov.1970
=====

19.Jun.2008

CC: Visual exam

Hx: Keepers report scar on hind end opened up and has pus.

Visual: There is still a scab over the area in her perineal region. Portions are removed and there is a thin layer of mucopurulent material covering healthy granulation tissue. No wounds that extend deep can be appreciated.

A: Suspect it will take a long time to completely epithelialize this area. The pus they are seeing is superficial and do not suspect it will cause a systemic problem.

P: Clean with dilute nolvasan when purulent material present. Call veterinary department if it looks worse or any defects in the mucosa are visualized. (TM)

24.Jun.2008

CC: Lameness

Obs: Keeper reported animal slipped while being worked in the ERD today and is now lame on the right front leg. Put her out on exhibit.

A: Movement may or may not be good for this animal's injury, so she should be monitored closely. If her lameness gets worse, then she needs to have her exercise limited.

P: Visual exam when they move her today. Plan to start NSAIDs and monitor response.

Rx: PHENYLBUTAZONE 12000 mg PO SID for 3 days.

Visual exam: Animal does hold up her right front leg intermittently, but she also puts full weight on it. Slightly lame (1/5).

A: It would be nice to stall rest her, but it is very warm and that may be more detrimental to her.

P: Okay to stay outside tonight with the others, but if her lameness is worse in the morning, she will need to be stall (paddock?) rested. (TM)

25.Jun.2008

Obs: Keepers report animal is still lame, but no worse than yesterday and perhaps better.

A: Cage rest is recommended, but it is going to be so hot outside today that it is most likely better for the animal overall if she is not confined. The barn gets stifling hot and at least outside she will have some air movement.

P: They had already put her out on exhibit before this information was received. She will be monitored on exhibit; if she gets worse then she will need to be confined. (TM)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====

LOXODONTA AFRICANA AFRICANA
South African bush elephant
Name: ROBIN

Sex: Female
Age: 38Y Est.

Acc. #: 9849
Birth: 10.Nov.1970

=====

26.Jun.2008

Obs: No noticable limp today (TM)

1.Jul.2008

Obs: Keeper reports animal has a lot of sand in her feces. Seen visually and then did the "glove test."

P: They will try the psyllium pellets first, but if they can use the powder, that would be better.

Rx: PSYLLIUM HYDROPHILIC MUCILLOID 8 sps PO SID for 7 days. (TM)

2.Jul.2008

CC: Ripped nail

Hx: Keepers report animal ripped part of a toenail off

S/O: Second toe on left rear foot; approximately 1/3 of nail removed. Scar in perineal region looks good - scabbed over.

P: Clean exposed portion under nail with dilute nolvasan BID.

Discontinue treating the scar in the perineal region and monitor for signs of infection. (TM)

3.Jul.2008

Obs: Keepers report there is another section of the nail coming loose.

P: Trim portions of nail that you can with hoof nail; clean with nolvasan and debride with dry gauze. (TM)

5.Jul.2008

Obs: Keepers report the toe is less painful and they didn't have to cut any material today. (TM)

6.Jul.2008

CC: Keepers report that the nail is slightly more tender than before, but it is unchanged in appearance. (KB)

8.Jul.2008

Obs: Keepers checked feces after psyllium treatment and there was a "normal" amount of sand. They removed more of the nail today and are still cleaning it BID. (TM)

12.Jul.2008

CC: A small pocket was forming under the affected nail and the keepers are concerned that material will be pushed under the nail plate allowing for infection. This is a valid concern.

P: Reccomend removing ojnly as much of the overluyinig nail plate as necessary to elimiante the pocket and to notify vet staff is this is uncomfotable for the animal. (KB)

Clinical Notes - Individual Specimen Report
RIVERBANKS MAMMALS

=====
LOXODONTA AFRICANA AFRICANA
South African bush elephant
Name: ROBIN
=====

Sex: Female
Age: 38Y Est.

Acc. #: 9849
Birth: 10.Nov.1970
=====

17.Jul.2008

CC: Visual exam

Hx: Keeper reports there is pus on the toe where the nail has been removed.

Visual: Thin layer of mucopurulent exudate on the surface of the exposed tissue.

A: If there is a hole or draining tract present, the presence of the exudate is not good. If there isn't one, then it is just a superficial situation and the way the keepers are cleaning it now should be sufficient.

P: No hole palpated today, but keepers will monitor for that.
(TM)

18.Jul.2008

Obs: Keeper reports she cut back quite a bit and there was a lot of blood. She felt the area and did not feel a hole.

P: Continue cleaning with dilute nolvasan. (TM)

19.Jul.2008

CC: Brief exam

S/O: The dorsal portion of the lesion appears to have nail growing back. The medial aspect of the nail is still there. The fungus problem the Sr Keeper is wrestling with is at the base of the nail where it meets the pad. There are small tags of skin on the surface that do not need to be trimmed. There is a yellow exudate across the area except where she bled yesterday. Looks more fibrin-like than purulent. Small sample taken for cytology.

A: Suspect the yellow they are seeing now is fibrin. The nail appears to be starting to grow backdown.

P: Continue to dig at the area with potential fungus. Clean the rest of the area with dilute nolvasan - no need to trim more back at this time. (TM)

27.Jul.2008

Obs: Note in keeper report states they are treating this animal's feet once a day with 10% bleach due to "fungus problems."

P: Monitor. Bleach is not good for the exposed tissue, so they should do that foot carefully - or not at all. (TM)

7.Aug.2008

Breif exam: The open portion of the toenail lesion on the right rear foot is closing. There is now a 5-6 mm diameter defect. The edges of which are roughened but look otherwise healthy. She was not sensitive to palpation and did very well with the exam. Reccomended that the edges be smothed a bit so as to avoid trapping material, but that the area is healing well. The senior keeper is trimming feet of each animal with some frequency lately as the warmer moister weather appears to be keeping the keratin soft and prone to damage/infection.
(KB)

Clinical Pathology Records - Specimen Report
RIVERBANKS MAMMALS

- page 1 -

LOXODONTA AFRICANA AFRICANA
South African bush elephant
Name: ROBIN

Sex: Female
Age: 37Y Est.

Acc. #: 9849
Birth: 10.Nov.1970

Collection Information >>
Health Status: Unknown

Weight: 3614 Kg on 10.Nov.2006

Date of Collection: 7.Apr.2008
Time of Collection: : 0.1
Collected by:
Sample Collection Site: VOIDED

Analysis Information >>

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

Laboratory: IN-HOUSE
Date of Analysis: 7.Apr.2008
Time of Analysis:
Analysis by:
Automated analysis.

Comments >>

Urinalysis

Color: Yellow Turbidity: Cloudy S.G.: 1.031

Nitrite: +
Urobilinogen: Negative
Protein: Negative
Ph: 8.0
Blood: Negative
Ketone: Negative
Bilirubin: Negative
Glucose: Negative

Sediment: Too much debris.

Clinical Pathology Records - Specimen Report
RIVERBANKS MAMMALS

LOXODONTA AFRICANA AFRICANA
South African bush elephant
Name: ROBIN

Sex: Female Acc. #: 9849
Age: 37Y Est. Birth: 10.Nov.1970

Collection Information >>

Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 3614 Kg on 10.Nov.2006
Manual restraint used.

Date of Collection: 29.Mar.2008
Time of Collection:
Collected by:

Chemistry >>

Analysis Information >>

Chemistry Sample: Serum
Storage: Fresh
Sample Quality: hemolysis

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

Tests and Results >>

ISIS Reference Values >>

			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	69	84±	15	38	174	(1437)
BUN	MG/DL	>> 17	10±	3	0	22	(1458)
CREAT.	MG/DL	1.1	1.5±	0.5	0.0	11.0	(1405)
BUN/Cr ratio		15.5					
CA	MG/DL	10.4	10.9±	0.6	8.1	15.3	(1434)
PHOS	MG/DL	4.3	4.9±	0.8	2.8	8.2	(1291)
Ca/P ratio		2.42					
NA	MEQ/L	133	129±	4	107	182	(1353)
K	MEQ/L	4.9	4.8±	0.5	3.3	7.6	(1368)
Na/K ratio		27.1					
CL	MEQ/L	> 93	88±	4	67	129	(1323)
MG	MG/DL	2.2	1.97±	0.75	0.65	4.20	(98)
CHOL	MG/DL	60	68±	17	0	234	(1290)
TRIG	MG/DL	52	64±	31	0	179	(1124)
T.PROT. (C)	GM/DL	8.0	7.7±	0.6	5.8	10.5	(1261)
ALBUMIN (C)	GM/DL	< 3.1	3.6±	0.4	2.4	5.2	(1145)
GLOBULIN (C)	GM/DL	> 4.9	4.1±	0.5	2.6	6.4	(1135)
Alb/Glob rat		0.633					
AST (SGOT)	IU/L	19	24±	10	6	93	(1398)
ALT (SGPT)	IU/L	4	7±	6	0	40	(547)
T. BILI.	MG/DL	0.2	0.2±	0.1	0.0	1.0	(1187)
AMYLASE	SU	>>11058	3075±	1552	0	7918	(241)
ALK.PHOS.	IU/L	< 48	128±	61	32	441	(1404)
CPK	IU/L	191	256±	196	18	1884	(247)
A/G RATIO	GM/DL	0.6					
BUN/CREAT	MG/DL	15					
GGT	IU/L	15	12±	5	0	37	(389)
LIPASE	U/L	12	7±	7	0	45	(66)

T4 9/2



Department of Pathology and Laboratory Medicine
2720 Sunset Blvd
West Columbia, SC 29169
Phone (803) 791-2400 Fax (803) 791-2406

Pathologists: Ervin B. Shaw, MD John B. Carter, MD Kitt R. McMaster, MD Beverly W. Daniel, MD
E. Jayne Moffatt, MD X. Karen Xu, MD, PhD William R. Armstrong, MD

PT. NAME: ZOO,ELEPHANT 9849 DOB: 01/01/2000
PATIENT ID: ZO-9849 AGE: 7Y SEX: U
ACCT NO: H00027085703 PHYSICIAN: Bensen,Keith,DVM
LOC: ZO

11/05/07 STOOL CULTURE ZOO SP
UNK ACC. NO.: M62190 TRANSPORT TIME: UNKNO FINAL 11/07/2007
SPECIMEN DESCRIPTION: STOOL
SPECIAL REQUESTS: NONE

- CULTURE:
1. NO SALMONELLA, SHIGELLA, CAMPYLOBACTER, OR E. COLI 0157:H7 ISOLATED
 2. NORMAL ENTERIC GRAM NEGATIVE FLORA ABSENT

ⓐ

RAPID FLUORESCENT FOCUS INHIBITION TEST
DEPARTMENT OF VETERINARY DIAGNOSIS
KSU VETERINARY MEDICAL CENTER
1800 DENISON AVENUE
MANHATTAN KS 66506-5600
(785) 532-4483

RECEIVED DATE: October 06, 2007
REPORT DATE: October 15, 2007

SUBMITTED BY

DISNEY'S ANIMAL KINGDOM/FONTENOT
DR. NEIFFER
1200 NORTH SAVANNAH CIRCLE EAST
BAY LAKE, FL 32830

Received
15 OCT 07

Dr. Don

9849

407 938 1909

RFFIT #	PATIENT		DRAW DATE	RABIES TITER-RESPONSE
RF7- 11063-1	ELEPHANT	980338	10/1/2007	1:180

RABIES NEUTRALIZING ANTIBODY TITRATION
(RFFIT) RESULT VERIFIED BY:

Dr. Cathleen A. Hanlon
Rabies Laboratory, KSVDL

Results are confidential, personal health information. All disclosures must be in accordance with HIPAA.
* READ > AS "GREATER THAN" ** IN HUMANS, A TITER OF 1:5 OR GREATER IS CONSIDERED ACCEPTABLE AS PER ACIP