

Report Start Date
4/1/2007

Specimen Report for NORFOLK / 000028

Report End Date
8/27/2008



Taxonomic name: *Loxodonta africana africana*
Common name: South African bush elephant

Family: Elephantidae
Order: Proboscidea

Current information

Sex: Female Sire ID:
Birth type: Wild Born Dam ID:
Birth Location: S.W. AFRICA (unknown location) Rearing: Unknown
Birthdate-Age: 28 Jul 1973 - 35Y,0M,30D Hybrid: Not a hybrid
Time since last Acq: 32Y,1M,0D 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>
27 Jul 1976	Purchase from ANIMALES / NONE	NORFOLK / 000028		

<u>Date</u>	<u>Type</u>	<u>Value</u>	<u>Units</u>	<u>Comments</u>
10 Jul 2007	live animal weight	10670	pound	
30 Apr 2008	live animal weight	10700	pound	

<u>Date</u>	<u>Note type</u>	<u>Comments</u>
1 Apr 2007	Medical treatment	Soaked her left front foot in warm water for 15 minutes and applied wonderdust BID.
2 Apr 2007	Medical note	Four piles of sandy feces form overnight. This comment was added to the following specimens: 000028, 000029.
3 Apr 2007	Medical note	Soaked her left front foot in warm water for 15 minutes and applied wonderdust BID. Trimmed nail on front left foot. First of 3 of TB trunk washes. This comment was added to the following specimens: 000028, 000029, 205003.
4 Apr 2007	Medical treatment	Soaked her left front foot in warm water for 15 minutes and applied wonderdust BID. 8 cc's of blood taken from right ear. This comment was added to the following specimens: 000028, 000029, 205003.
5 Apr 2007	Foot management	Soaked her left front foot in warm water for 15 minutes and applied wonderdust BID.
6 Apr 2007	Medical note	Trimmed nail on front left foot. Second of three TB trunk washes. This comment was added to the following specimens: 000028, 000029, 205033.
7 Apr 2007	Foot management	Soaked her left front foot in warm water for 15 minutes and applied wonderdust BID.
8 Apr 2007	Foot management	Soaked her left front foot in warm water for 15 minutes and applied wonderdust BID.
9 Apr 2007	Foot management	Soaked her left front foot in warm water for 15 minutes and applied wonderdust BID.



		Keeper trimmed nail on front left foot.
10 Apr 2007	Medical treatment	Last of TB trunk washes.
		This comment was added to the following specimens: 000028, 000029, 205003.
11 Apr 2007	Medical treatment	8 cc's blood taken.
		This comment was added to the following specimens: 000028, 000029.
15 Apr 2007	Foot management	Manager trimmed on nail of front foot.
16 Apr 2007	Foot management	Trimmed front left nail on front left foot.
18 Apr 2007	Note	Drew 8 cc's blood for banking from right ear of each.
		This comment was added to the following specimens: 000028, 000029, 205003.
19 Apr 2007	Foot management	Trimmed on both front feet.
22 Apr 2007	Foot management	Elephant manager trimmed out Lisa's nail on front left foot.
24 Apr 2007	Foot management	Manager trimmed front left foot and toenail in the AM.
25 Apr 2007	Medical note	8 cc's blood taken and banked.
		This comment was added to the following specimens: 000028, 000029, 205003.
26 Apr 2007	Foot management	Trimmed the pad on her front right foot.
28 Apr 2007	Foot management	Manager trimmed front left foot.
30 Apr 2007	Note	No bath routines done today. Rinsed all elephants.
1 May 2007	Foot management	Manager trimmed out nail on front left foot.
2 May 2007	Medical procedure	8cc's blood taken to be banked.
		This comment was added to the following specimens: 000028, 000029, 205003.
2 May 2007	Medical note	Still soaking front left foot in warm water for 15 BID daily.
4 May 2007	Foot management	Soaked front left food in warm water for 15 minutes BID and applied Wonderdust BID. Keeper trimmed back feet in ERD.
7 May 2007	Foot management	Manager trimmed nail on front left foot. Soaked and dusted front left foot.
7 May 2007	Exhibit	Installation began on shade structure in main yard.
		This comment was added to the following specimens: 000028, 000029, 205003.
8 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes.
9 May 2007	Medical note	8cc's blood taken from each to be banked.
		This comment was added to the following specimens: 000028, 000029, 205003.
9 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID as done daily.
10 May 2007	Foot management	Soaked front left food in warm water for 15 minutes BID and applied Wonderdust BID. Foot work done on both back feet.
11 May 2007	Foot management	Soaked front left food in warm water for 15 minutes BID and applied Wonderdust BID.
12 May 2007	Foot management	Soaked front left food in warm water for 15 minutes BID and applied Wonderdust BID. Keeper trimmed on her front feet today.
13 May 2007	Foot management	Soaked front left food in warm water for 15 minutes BID and applied Wonderdust BID.
15 May 2007	Foot management	Soaked front left food in warm water for 15 minutes BID and applied Wonderdust BID. Vet trimmed out soft tissue.
15 May 2007	Animal management note	Elephants are locked in the building and holding yard until the shade structure in complete.
		This comment was added to the following specimens: 000028, 000029, 205003.
15 May 2007	Foot management	Soaked front left food in warm water for 15 minutes BID and applied Wonderdust BID.



16 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and applied Wonderdust BID.
17 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and applied Wonderdust BID.
18 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and applied Wonderdust BID. Manager trimmed her toe nail and Wonderdusted it.
18 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and applied Wonderdust BID.
19 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID.
20 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Manager trimmed out nail (soft tissue) of front left foot. While cruching ice treat there was a small amount of blood from nail. Examined and applied Wonderdust.
21 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID.
22 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Vet and manager trimmed on her outside of toenail on her front left foot.
23 May 2007	Medical note	Drew 8cc of blood from the left ear of each elephant and collected fecal samples from each. Soaked 000028's left front foot in warm water for 15min BID and WonderDusted BID. Manager trimmed out her nail. 000029 had clear discharge in her urine today.
		This comment was added to the following specimens: 000028, 000029, 205003.
24 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Manager filed toenail on her front left foot.
25 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID.
26 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID.
27 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID.
28 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID.
29 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Manager trimmed soft tissue from nail.
30 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Edema on right side of stomach.
31 May 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Hydrotherapy for 15 minutes BID, edema on right side of belly. Manager trimmed out nail on front of left foot.
1 Jun 2007	Medical treatment	Treat edema with hydrotherapy SID, UFN and DMSO liquid spray on edematous area SID, UFN.
		This comment was added to the following specimens: 000028, 205003.
1 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Hydrotherapy for 15 minutes, BID on edema on right side of belly and applied DMSO.
2 Jun 2007	Medical note	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Hydrotherapy for 15 minutes, BID on edema on right side of belly and applied DMSO.
3 Jun 2007	Medical treatment	Soaked front left foot in warm water for 15 minutes BID and Wonderdust BID. Hydrotherapy for 15 minutes BID, edema on right side of belly. Manager trimmed out nail on front of left foot.
4 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Did hydrotherapy for 15 minutes for edema on right side of belly.
5 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Hydrotherapy done on edema on right side for 15 min, BID.
6 Jun 2007	Foot management	Soaked front left foot in warm water or 15 minutes, BID. Hydrotherapy done on right edema for 15 minutes, BID and DMSO applied.
7 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Hydrotherapy on right side for edema for 15 minutes, BID.
8 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Hydrotherapy done on right edema for 15 minutes in AM.
9 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Hydrotherapy done on right edema for 15 minutes in AM.
10 Jun 2007	Foot management	Soaked front left foot in warm water fo 15 minutes, BID. Hydrotherapy done on right edema, BID for 15



		minutes. Clear discharge dripping from vaginal opening.
10 Jun 2007	Note	Loose, sandy stool found in stalls in AM. Observed 000029 defecating in PM, feces was not loose but very pungent.
		This comment was added to the following specimens: 000028, 000029, 205003.
11 Jun 2007	Medical note	Soaked front left foot in warm water for 15 minutes, BID. Hydrotherapy done on right edema for 15 minutes, BID.
12 Jun 2007	Medical note	Soaked front left foot in warm water for 15 minutes, BID. Hydrotherapy done on right edema for 15 minutes in AM. Vet checked edema and discontinued hydrotherapy. Manager trimmed out nail on front left foot.
13 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Trimmed front left pad.
14 Jun 2007	Foot management	Soaked front left foot in warm water for 15 min SID. Trimmed front right foot.
15 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID and applied Wonderdust to toenail after soak, BID.
16 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID.
17 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Trimmed front left nail.
18 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID.
19 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID
20 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, SID in PM. Trimmed front left nail.
21 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID and applied Wonder Dust.
22 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID and applied Wonder Dust.
23 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID and trimmed her toe on front left foot.
24 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID
25 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID.
26 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Trimmed front left nail.
27 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes, BID. Trimmed back pads and nails.
28 Jun 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Manager trimmed out nail on front left foot.
29 Jun 2007	Foot management	Soaked left front foot in warm water for 15 minutes BID and applied WonderDust BID.
30 Jun 2007	Foot management	Soaked left front foot in warm water BID for 15 minutes and applied Wonder Dust, BID.
1 Jul 2007	Foot management	Manager trimmed out nail on front left foot.
2 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Manager trimmed on nail of front left foot.
3 Jul 2007	Foot management	Vet: reduced soaking to SID. Soaked front left foot in warm water for 15 minutes SID.
5 Jul 2007	Foot management	Soaked left front foot for 15 minutes SID. Applied Wonder Dust in the PM. Scrubbed it with Betadine and reapplied Wonder Dust in PM.
6 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes and applied Wonderdust BID. Scrubbed the toe with Betadine in the PM and applied Wonderdust.
7 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes and applied Wonderdust BID. Scrubbed the toe with Betadine in the PM and applied Wonderdust.
8 Jul 2007	Medical note	Collected urine samples for hyperprolactinemia study. Will collect urine 1x week for 1 year, start today. Several piles of sandy feces were found from overnight.
		This comment was added to the following specimens: 000028, 000029, 205003.
8 Jul 2007	Foot management	Manger trimmed out nail on front left foot. Nail was scrubbed out with Betadine and Wonderdust applied.
9 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot with Betadine in PM.
10 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Scrubbed out nail on front left foot with Betadine. Weight: 10,670lbs.
11 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Scrubbed out nail of front left foot with Betadine in PM. Did footwork on back left foot, filed nails.
11 Jul 2007	Medical note	Collected 8cc blood from right ears. Spun down to collect serum for hyperprolactinemia study (along with



urine samples taken 1x week for 1 year).

This comment was added to the following specimens: 000028, 000029, 205003.

12 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail with Betadine in PM. Manager trimmed out nail and has observed over last several weeks the regeneration of soft/nail tissue has slowed.
13 Jul 2007	Medical observation	Vet observed today. Nail looks exactly the same as when he has observed it in the past. Per Alan Roorcroft, he says this will be an ongoing issue. Continue to keep the area open.
13 Jul 2007	Medical observation	Vet observed her mail and said it looks as it has in the past. Keep area open. Footwork done on both front feet.
14 Jul 2007	Foot management	Soaked left front foot in warm water fo 15 minutes SID and applied Wonderdust BID in PM.
15 Jul 2007	Foot management	Manager trimmed out nail on front left foot in AM. Scrubbed out nail with Betadine in PM. Collected urine sample for ongoing study. Observed possible edema on right side. Will monitor and have vet check it on 7/17.
16 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot with Betadine in PM. Started hydrotherapy for edema on right side.
17 Jul 2007	Medical observation	Elephant has edema on her ventrum. Treat with warm water hydrotherapy BID UFN.
18 Jul 2007	Medical note	8ccs blood taken from all three. Hydrotherapy done for 15 minutes BID on 000028.
This comment was added to the following specimens: 000028, 000029, 205003.		
19 Jul 2007	Foot management	Soaking her left front foot in warm wate rfo 15 minutes and applying Wonder Dust in the AM. In PM, scrubbing with Betadine and applying Wonder Dust. Hydrotherapy on right side edema for 15 minutes BID with warm water.
20 Jul 2007	Foot management	In AM, soaked foot fo r15 minutes in warm water and then applied Wonder Dust. In the PM, scrubbed foot with Betadine and applied Wonder Dust. Hydrotherapy on her right side on the edema for 15 minutes with warm water BID. Vet approved DMSO spray SID on elephant's edema
21 Jul 2007	Foot management	In the AM, soaked left front foot in warm water for 15 minutes and applied Wonder Dust. In the PM, scrubbed her foot with Betadine and applied Wonder Dust. Did hydrotherapy BID with warm water and applied DMSO SID on the edema on right side.
22 Jul 2007	Medical note	Urine collected from all. 000028: Hydrotherapy done on her right side for 15 minutes BID. Soaked front left foot in warm water for 15 mintues SID.
This comment was added to the following specimens: 000028, 000029, 205003.		
23 Jul 2007	Foot management	Manager trimmed out nail on front left foot. Trimmed pad on front left foot. Scrubbed out nail on front left foot with betadine. Hydrotherapy on right side for 15 minutes BID for edema.
24 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. SCRubbed out nail with Betadine on front left foot in PM. Hydrotherapy for 15 minutes BID for edema. Manager observed that 000028 is wearing a groove into her left tusk by the gum line.
25 Jul 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail with Betadine in PM, manager trimmed nail in PM. Hydrotherapy for 15 minutes on right side for edema BID.
26 Jul 2007	Foot management	Soaked left front foo tin warm water for 15 minutes SID and applied Wonder Dust in AM. In PM, scrubbed left front foot with Betadine and applied Wonder Dust. Hydrotherapy for 15 minutes on the edema on her right side and sprayed it with DMSO in PM.
27 Jul 2007	Foot management	Soaked left front foot in warm water for 15 minutes and applied Wonder Dust. Scrubbed left front foot with Betadine and applied Wonder Dust. Hydrotherapy for 15 minutes on right side edema BID and applied DMSO SID in PM.
27 Jul 2007	Note	Found 3 piles of sandy feces in AM, not sure which animal.

This comment was added to the following specimens: 000028, 000029, 205003.

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28 Jul 2007	Foot management	Soaked left front foot in warm water for 15 minutes and applied Wonder Dust. Scrubbed left front foot with Betadine and applied Wonder Dust. Hydrotherapy for 15 minutes on right side edema BID and applied DMSO SID in PM.
29 Jul 2007	Foot management	Manager trimmed out nail on front left foot in AM. Scrubbed out nail with Betadine in PM. Hydrotherapy on right side for edema. Collected urine sample for study.
29 Jul 2007	Note	One pile of sandy /rocky feces found from overnight. This comment was added to the following specimens: 000028, 000029, 205003.
30 Jul 2007	Foot management	Soaked left front foot in warm water for 15 minutes and applied Wonder Dust. Scrubbed left front foot with Betadine and applied Wonder Dust. Hydrotherapy for 15 minutes on right side edema BID and applied DMSO SID in PM.
31 Jul 2007	Foot management	In the AM manager trimmed out her nail on the left front foot and scrubbed it with Betadine and applied Wonder Dust. In PM scrubbed it with Betadine and applied Wonder Dust. Hydrotherapy BID for 15 minutes on the edema on her right side and DMSO SID in the PM.
1 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes SID. Hydrotherapy on her left side edema for 15 minutes BID.
2 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Hydrotherapy done on her right side edema for 15 minutes BID.
3 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes and applied Wonder Dust in AM. In the PM, scrubbed it with Betadine and applied Wonder Dust. Hydrotherapy done on the right side edema for 15 minutes BID and applied DMSO SID in PM.
4 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes and applied Wonder Dust in AM. In the PM, scrubbed it with Betadine and applied Wonder Dust. Hydrotherapy done on the right side edema for 15 minutes BID and applied DMSO SID in PM.
5 Aug 2007	Foot management	Manager trimmed out nail and pad on front left foot. Scrubbed out nail on front left foot with Betadine in PM. Hydrotherapy done on right side for edema BID.
5 Aug 2007	Medical note	Urine samples collected for study. This comment was added to the following specimens: 000028, 205003.
6 Aug 2007	Foot management	Trimmed out nail on front left foot in AM. Scrubbed out nail on front left foot with Betadine in PM. Did hydrotherapy for edema on right side BID. Filed nails on both front feet. Trimmed pad on back left foot. Collected urine sample for study.
7 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Scrubbed out nail on front left foot with Betadine in PM. Hydrotherapy on right side edema BID.
8 Aug 2007	Foot management	Trimmed out nail on front left foot in AM. Scrubbed out nail on front left foot with Betadine in PM. Did hydrotherapy for edema on right side BID. Filed nails on both front feet. Trimmed pad on back left foot.
8 Aug 2007	Exhibit	Shade structure was completed today including misting system. Elephants were locked out all day. This comment was added to the following specimens: 000028, 000029, 205003.
9 Aug 2007	Foot management	Trimmed out nail on front left foot in AM. Scrubbed out nail on front left foot with Betadine in PM. Did hydrotherapy for edema on right side BID. Filed nails on both front feet. Trimmed pad on back left foot.
10 Aug 2007	Foot management	Soaked foot and scrubbed it with Betadine and applied Wonderdust in the PM. Hydrotherapy and DMSO in the PM due to Summer Safari, hydraulic repairs and vet visit which made it impossible to do in AM.
11 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Hydrotherapy on right side edema BID.
12 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Hydrotherapy on right side edema BID. Footwork done on her right rear foot.
13 Aug 2007	Foot management	Soaked front left foot in warm water in the AM for 15 minutes and applied Wonder Dust. In the PM, rinsed it and scrubbed toe with betadine and applied Wonder Dust. Hydrotherapy on her right side for 15 minutes BID and applied DMSO SID in the PM.



14 Aug 2007	Foot management	Soaked front left foot in warm water in the AM for 15 minutes and applied Wonder Dust. In the PM, rinsed it and scrubbed toe with betadine and applied Wonder Dust. Hydrotherapy on he rright side for 15 mintes BID and applied DMSO SID in the PM.
15 Aug 2007	Foot management	Soaked front left foot in warm water in the AM for 15 minutes and applied Wonder Dust. In the PM, rinsed it and scrubbed toe with betadine and applied Wonder Dust. Hydrotherapy on he rright side for 15 mintes BID and applied DMSO SID in the PM.
16 Aug 2007	Foot management	Soaked front left foot in warm water in teh AM for 15 minutes and applied Wonder Dust. In the PM, rinsed it and scrubbed toe with betadine and applied Wonder Dust. Hydrotherapy on he rright side for 15 mintes BID and applied DMSO SID in the PM.
17 Aug 2007	Foot management	Soaked front left foot in warm water in the AM for 15 minutes and applied Wonder Dust. In the PM, rinsed it and scrubbed toe with betadine and applied Wonder Dust. Hydrotherapy on he rright side for 15 mintes BID and applied DMSO SID in the PM.
18 Aug 2007	Foot management	Manager trimmed nail on left front foor in the AM. scrubbed with Betadine and applied Wonder Dust. In PM, rinsed with water, scrubbed with Betadine and applied Wonder Dust. Hydrotherapy on right side on the edema for 15 minutes BID and applied DMSO SID in the PM.
19 Aug 2007	Foot management	Manager trimmed nail on left front foor in the AM. Scrubbed with Betadine and applied Wonder Dust. In PM, rinsed with water, scrubbed with Betadine and applied Wonder Dust. Hydrotherapy on right side on the edema for 15 minutes BID and applied DMSO SID in the PM.
20 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes. Trimmed out nail on front left foot in AM and scrubbed it out in PM with Betadine. Hydrotherapy on right sdie edema BID.
20 Aug 2007	Note	Collected urine samples for study.
21 Aug 2007	Medical observation	This comment was added to the following specimens: 000028, 000029, 205003. Elephant's edema has not changed much in the past several weeks of treatment. Continue current therapy of hydrotherapy BID and DMSO application SID. If there is no improvement in one week, an injection of furosemide will be administered to see if this decreases the edema.
21 Aug 2007	Foot management	Soaked left front foot in warm water fo 15 minutes SID and applied Wonderdust. Rinsed left front foot and scrubbed with betadine and applied Wonderdust.
22 Aug 2007	Foot management	Soaked front left foot in warm water in the AM for 15 minutes and applied Wonder Dust. In the PM, rinsed it and scrubbed toe with betadine and applied Wonder Dust. Hydrotherapy on her right side for 15 mintes BID and applied DMSO SID in the PM.
23 Aug 2007	Foot management	Manager trimmed her nail in the AM, scrubbed it with betadine and applied Wonderdust. Rinsed off, scrubbed off with betadine and applied Wonderdust in PM. Hydrotherapy for 15 minutes BID and applied DMSO SID in the PM.
24 Aug 2007	Foot management	Soaked front left foot in warm water in the AM for 15 minutes and applied Wonder Dust. In the PM, rinsed it and scrubbed toe with betadine and applied Wonder Dust. Hydrotherapy on he rright side for 15 mintes BID and applied DMSO SID in the PM.
25 Aug 2007	Foot management	Soaked her foot for 15 minutes SID in warm water and applied Wonderdust. Rinsed off her foot, scrubbed it with betadine and applied Wonderdust. Hydrotherapy BID fo r15 minutes and applied DMSO SID in the PM.
26 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Trimmed out nail on front left foot and scrubbed with betadine in PM. Hydrotherapy for 15 minutes for edema BID.
26 Aug 2007	Note	Urine samples collected for study.
27 Aug 2007	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. Soaked front left foot in warm water for 15 minutes in AM. Trimmed out nail on front left foot and scrubbed with betadine in PM. Hydrotherapy for 15 minutes for edema BID.
27 Aug 2007	Medical observation	Elephant's edema has decreased. Discontinue hydrotherapy and DMSO application.
28 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes SID.
29 Aug 2007	Foot management	Trimmed on her front left foot toenail.
29 Aug 2007	Medical note	8cc blood taken.



This comment was added to the following specimens: 000028, 000029, 205003.

30 Aug 2007	Foot management	Trimmed on her front left foot and toe.
31 Aug 2007	Foot management	Soaked front left foot in warm water for 15 minutes SID.
1 Sep 2007	Foot management	In AM, soaked left front foot in warm water for 15 minutes SID and applied WonderDust. In PM, insed the left front foot with the hose, scrubbed it with betadine and applied WonderDust.
2 Sep 2007	Foot management	Soaked front left foot in warm water in AM. Scrubbed out nail on front left foot with betadine in PM.
3 Sep 2007	Foot management	In AM, soaked left front foot in warm water for 15 minutes SID and applied WonderDust. In PM, insed the left front foot with the hose, scrubbed it with betadine and applied WonderDust. In AM, keeper sanded on right ivory because she is starting to wear it into a point again.
5 Sep 2007	Medical note	8cc blood taken from each. Footwork done on both front feet of 000028 and all 4 feet of 000029.
This comment was added to the following specimens: 000028, 000029, 205003.		
6 Sep 2007	Foot management	Soaked her left front foot in warm water for 15 minutes SID and applied Wonder Dust in the AM. In the PM, scrubbed it out, rinsed her foot and scrubbed it with betadine and applied Wonder Dust.
7 Sep 2007	Foot management	Soaked foot in the AM and applied Wonder Dust. Scrubbed it with betadine and applied Wonder Dust in PM.
9 Sep 2007	Foot management	Soaked her left front foot in warm water for 15 minutes SID and applied Wonder Dust in the AM. In the PM, scrubbed it out, rinsed her foot and scrubbed it with betadine and applied Wonder Dust. Sanded on right ivory in the AM because she was wearing it into a point. Manager trimmed foot.
10 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot in PM. Collected urine sample.
11 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes SID.
12 Sep 2007	Medical note	8cc blood taken from each. Soaked left front foot of 000028 in warm water for 15 minutes SID.
This comment was added to the following specimens: 000028, 000029, 205003.		
13 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine in PM.
14 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine and Wonder Dust in PM.
15 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine and Wonder Dust in PM.
16 Sep 2007	Foot management	Manager trimmed on nail in AM.
17 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine in PM.
18 Sep 2007	Foot management	Manager trimmed out nail on front let foot in AM. Scrubbed out nail on front left foot with Betadine in PM.
19 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine and Wonder Dust in PM.
20 Sep 2007	Foot management	Manager and keeper trimmed on nail on front left foot in AM. Scrubbed out nail on front left foot with betadine in PM.
21 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine and Wonder Dust in PM.
22 Sep 2007	Foot management	Keeper trimmed out nail in AM, scrubbed with betadine and applied Wonder Dust. Rinsed with hose and scrubbed toe with betadine and applied Wonder Dust in PM.
24 Sep 2007	Foot management	Manager trimmed on nail in AM. Daily foot work as usual.
24 Sep 2007	Note	Urine collected urine both today.
This comment was added to the following specimens: 000028, 205003.		
25 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes SID.
25 Sep 2007	Fecal check/worming	No pathogenic bacteria isolated from fecal samples.

This comment was added to the following specimens: 000028, 000029, 205003.



Date	Note	Description
26 Sep 2007	Note	Collecte blood from all three elephants. This comment was added to the following specimens: 000028, 000029, 205003.
26 Sep 2007	Foot management	Trimmed on toe on front left foot.
27 Sep 2007	Foot management	Manager trimmed nail, scrubbed it with betadine and applied Wonderdust in AM. In PM, rinsed nail, scrubbed with betadine and applied Wonderdust.
28 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine and Wonder Dust in PM.
29 Sep 2007	Foot management	Trimmed on toe on left foot.
30 Sep 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot with betadine in PM.
1 Oct 2007	Foot management	Manager trimmed nail on front left foot in AM. Scrubbed out nail on left front foot in PM with betadine.
2 Oct 2007	Medical treatment	Elephants received their annual vaccines. They each received 2 mls rabies IM and 1 ml EWT-WNV IM in the left semis. This comment was added to the following specimens: 000028, 000029, 205003.
4 Oct 2007	Foot management	In AM, keeper trimmed on toe, scrubbed it with betadine and applied Wonderdust. In the PM, rinsed off toe, scrubbed it with betadine and applied Wonderdust.
5 Oct 2007	Foot management	Keeper trimmed out her nail, scrubbed it with betadine and applied WonderDust. Rinsed, scrubbed with betadine and applied WonderDust in PM.
5 Oct 2007	Foot management	In the AM, did not have time to soak her foot. In the PM, scrubbed it with betadine and applied Wonderdust.
7 Oct 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed nail on front left foot with betadine in PM.
8 Oct 2007	Foot management	Manager trimmed on foot this AM.
9 Oct 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot with betadine in PM.
10 Oct 2007	Foot management	Manager trimmed nail on front left foot in AM. Scrubbed out nail on front left foot with betadine in PM.
11 Oct 2007	Foot management	In AM, keeper trimmed on toe, scrubbed it with betadine and applied Wonderdust. In the PM, rinsed off toe, scrubbed it with betadine and applied Wonderdust.
12 Oct 2007	Foot management	Manager trimmed on nail in AM.
13 Oct 2007	Foot management	Manager trimmed nail on front left foot in AM. Scrubbed out nail with betadine in PM.
14 Oct 2007	Foot management	Manager trimmed on nail in AM.
15 Oct 2007	Foot management	Manager trimmed out nail on front left foot in AM. Scrubbed out nail on front left foot with betadine in PM. Collected urine for study.
16 Oct 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot with betadine in PM. Collected 8cc blood from right ear to be banked.
17 Oct 2007	Foot management	Manager trimmed on nail in AM.
18 Oct 2007	Foot management	We soaked foot in warm water bath for 15 minutes in AM. Applied wonderdust in the AM and PM and betadine in PM.
19 Oct 2007	Foot management	In AM, keeper trimmed on nail, scrubbed it with betadine and applied Wonderdust. In the PM, rinsed off toe, scrubbed it with betadine and applied Wonderdust.
20 Oct 2007	Foot management	In AM, keeper trimmed on toe, scrubbed it with betadine and applied Wonderdust. In the PM, rinsed off toe, scrubbed it with betadine and applied Wonderdust.
21 Oct 2007	Foot management	Manager trimmed on nail in the AM.
22 Oct 2007	Foot management	Manager trimmed nail in AM.
23 Oct 2007	Exhibit	Doors 7 and 8 were painted today. Elephants spent morning in main yard. This comment was added to the following specimens: 000028, 000029, 205003.
23 Oct 2007	Foot management	Rinsed, scrubbed and applied WonderDust to foot in PM only, due to exhibit improvements.

Report Start Date
4/1/2007

Specimen Report for NORFOLK / 000028

Report End Date
8/27/2008



24 Oct 2007	Foot management	In the AM soaked left front foot in warm water for 15 minutes and applied WonderDust. In the PM, rinsed foot, scrubbed with betadine and applied WonderDust.
24 Oct 2007	Medical note	Collected 8cc blood to bank from each elephant. This comment was added to the following specimens: 000028, 000029, 205003.
25 Oct 2007	Foot management	Manager trimmed back right foot in the AM. In the AM soaked left front foot in warm water for 15 minutes and applied WonderDust. In the PM, rinsed foot, scrubbed with betadine and applied WonderDust.
26 Oct 2007	Foot management	In the AM soaked left front foot in warm water for 15 minutes and applied WonderDust. In the PM, rinsed foot, scrubbed with betadine and applied WonderDust.
27 Oct 2007	Foot management	In the AM soaked left front foot in warm water for 15 minutes and applied WonderDust. In the PM, rinsed foot, scrubbed with betadine and applied WonderDust.
28 Oct 2007	Foot management	Manager trimmed nail in AM.
29 Oct 2007	Foot management	Soaked foot for 15 minutes in warm water bath in AM and applied WonderDust. Scrubbed nail out with betadine and applied WonderDust in PM.
30 Oct 2007	Foot management	Keeper trimmed nail in the AM.
31 Oct 2007	Foot management	In AM, manager trimmed nail on front left foot and soaked it in warm water for 15 minutes. In PM, rinsed foot, scrubbed with betadine and applied WonderDust.
2 Nov 2007	Foot management	Trimmed toe in AM, scrubbed with betadine and applied WonderDust. In PM, rinsed toe, scrubbed with betadine and applied WonderDust.
3 Nov 2007	Foot management	In the AM soaked left front foot in warm water for 15 minutes and applied WonderDust. In the PM, rinsed foot, scrubbed with betadine and applied WonderDust.
4 Nov 2007	Foot management	Soaked foot for 15 minutes in warm water bath in AM and applied WonderDust. Scrubbed nail out with betadine and applied WonderDust in PM.
5 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot with betadine and applied WonderDust. Collected urine sample for study.
7 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes.
7 Nov 2007	Medical note	8cc blood taken.
8 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes.
9 Nov 2007	Foot management	In AM, keeper trimmed on her nail, scrubbed with betadine and applied WonderDust. In PM, rinsed left front foot with water, scrubbed nail with betadine and applied WonderDust.
10 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM. Scrubbed out nail on front left foot with betadine and applied WonderDust.
11 Nov 2007	Foot management	Manager filed nails on both front feet.
11 Nov 2007	Foot management	Manager trimmed out nail on front left foot in AM. Scrubbed out nail with betadine in PM.
11 Nov 2007	Note	Collected urine from all three elephants for study. This comment was added to the following specimens: 000028, 000029, 205003.
13 Nov 2007	Foot management	Trimmed toe in AM, scrubbed with betadine and applied WonderDust. In PM, rinsed toe, scrubbed with betadine and applied WonderDust.
13 Nov 2007	Diet	Discussion with elephant manager, vet and curators-give straw with hay to elephants as a weight reducer. This comment was added to the following specimens: 000028, 000029, 205003.
14 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM and applied WonderDust.
14 Nov 2007	Medical note	Drew 8cc of blood from the right ear of all three elephants. This comment was added to the following specimens: 000028, 000029, 205003.
15 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM and applied WonderDust.
16 Nov 2007	Foot management	Keeper trimmed nail on front left foot in AM. Rinsed foot in the PM, scrubbed with betadine and applied



Date	Category	Description
		WonderDust.
17 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM and applied WonderDust.
18 Nov 2007	Foot management	Manager trimmed nail in AM and applied WonderDust.
18 Nov 2007	Note	Collected urine from all three elephants.
		This comment was added to the following specimens: 000028, 000029, 205003.
19 Nov 2007	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM and applied WonderDust.
20 Nov 2007	Diet	Elephant manager asked about feeding elephants straw to keep their weights down. Vet approved doing this.
		This comment was added to the following specimens: 000028, 000029, 205003.
20 Nov 2007	Foot management	In the AM, manager trimmed nail, scrubbed with betadine and applied WonderDust. In the PM, rinsed nail, scrubbed with betadine and applied WonderDust.
21 Nov 2007	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed it with betadine and applied WonderDust.
21 Nov 2007	Medical note	Drew blood from each elephant.
		This comment was added to the following specimens: 000028, 000029, 205003.
21 Nov 2007	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust.
21 Nov 2007	Medical note	Drew 8cc blood from each.
		This comment was added to the following specimens: 000028, 000029, 205003.
22 Nov 2007	Foot management	In the AM, soaked left front foot for 15min, scrubbed with betadine and applied WonderDust.
23 Nov 2007	Foot management	Trimmed toe on left front foot.
24 Nov 2007	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed it with betadine and applied WonderDust.
25 Nov 2007	Foot management	Soaked foot for 15 minutes in AM in warm water bath, scrubbed with betadine and applied WonderDust.
25 Nov 2007	Note	Collected urine from all elephants for study.
		This comment was added to the following specimens: 000028, 000029, 205003.
26 Nov 2007	Foot management	Manager trimmed nail on front left foot in AM and applied WonderDust. Scrubbed out nail with betadine in PM and applied WonderDust.
26 Nov 2007	Diet	Increasing straw amount from 1/4 bale to 1/2 bale each at night.
		This comment was added to the following specimens: 000028, 000029.
27 Nov 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust. Keeper trimmed back feet.
28 Nov 2007	Foot management	Manager trimmed nail on front left foot in AM and applied WonderDust. Scrubbed out nail in PM with betadine and applied WonderDust.
28 Nov 2007	Medical note	Collected 8cc blood.
29 Nov 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust.
30 Nov 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust. Keeper trimmed toe on left front foot.
1 Dec 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust.
2 Dec 2007	Foot management	Manager trimmed on nail in AM and scrubbed it out with betadine and applied WonderDust.
3 Dec 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left



		front foot, scrubbed with betadine and applied wonderdust.
4 Dec 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust. Trimmed toe.
4 Dec 2007	Medical observation	Toe has improved since last observed.
5 Dec 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust. Trimmed toe.
6 Dec 2007	Foot management	Manager trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
7 Dec 2007	Foot management	Keeper trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
8 Dec 2007	Foot management	Soaked front leff foot in warm water for 15 minutes.
9 Dec 2007	Foot management	Manager trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
9 Dec 2007	Note	Collected urine samples from each. This comment was added to the following specimens: 000028, 000029, 205003.
10 Dec 2007	Foot management	Manager trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
10 Dec 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust.
10 Dec 2007	Exhibit	Cleaned exhibit pool today. This comment was added to the following specimens: 000028, 000029, 205003.
12 Dec 2007	Foot management	Manager trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
12 Dec 2007	Medical note	Drew 8cc blood from right ear of each. This comment was added to the following specimens: 000028, 000029, 205003.
13 Dec 2007	Foot management	Manager trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
14 Dec 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust.
15 Dec 2007	Foot management	In the AM, soaked front left foot in warm water for 15min and applied wonderdust. In PM, rinsed off left front foot, scrubbed with betadine and applied wonderdust.
16 Dec 2007	Foot management	Manager trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
17 Dec 2007	Foot management	Soaked left front foot in warm water bath in AM and applied WonderDust. Scrubbed nail out with betadine and applied WonderDust in PM.
17 Dec 2007	Note	Collected urine from each. This comment was added to the following specimens: 000028, 205003.
18 Dec 2007	Foot management	Soaked left front foot in warm water bath in AM and applied WonderDust. Scrubbed nail out with betadine and applied WonderDust in PM.
18 Dec 2007	Medical treatment	Vet approved use of Keratex hoof hardener on the elephants' nails. Brush on nail SID for one week, then twice weekly UFN. Do not get the liquid on skin (human or elephant). Allow to dry before letting elephants have access to their feet with their trunks. This comment was added to the following specimens: 000028, 000029, 205003.
19 Dec 2007	Foot management	Soaked left front foot in warm water bath in AM and applied WonderDust. Scrubbed nail out with betadine and applied WonderDust in PM.
20 Dec 2007	Foot management	Soaked front left foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Manager trimmed rear feet.



21 Dec 2007	Foot management	Keeper trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
22 Dec 2007	Foot management	Soaked front left foot in warm water for 15 minutes, scrubbed and applied WonderDust.
23 Dec 2007	Foot management	Manager trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
25 Dec 2007	Foot management	Manager trimmed on nail in the AM, scrubbed and applied WonderDust.
26 Dec 2007	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
26 Dec 2007	Note	Collected urine and 8cc of blood.
27 Dec 2007	Foot management	Soaked front left foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Manager trimmed rear feet.
28 Dec 2007	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
29 Dec 2007	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
30 Dec 2007	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
31 Dec 2007	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
1 Jan 2008	Foot management	Soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail.
2 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
2 Jan 2008	Note	Collected urine from each.
		This comment was added to the following specimens: 000028, 000029, 205003.
3 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
4 Jan 2008	Foot management	Keeper trimmed nail on right front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
5 Jan 2008	Foot management	Soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail.
6 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
7 Jan 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
8 Jan 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust. Collected urine sample for study.
9 Jan 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
10 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
11 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
12 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
13 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
13 Jan 2008	Note	Collected urine from all three elephants.
		This comment was added to the following specimens: 000028, 000029, 205003.
14 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.



15 Jan 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
16 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
17 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
18 Jan 2008	Foot management	Soaked front left foot in warm water for 15 minutes.
19 Jan 2008	Foot management	Trimmed toe on front left foot.
20 Jan 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust. Collected urine sample for study.
20 Jan 2008	Note	Collected urine from all elephants for study.
		This comment was added to the following specimens: 000028, 000029, 205003.
21 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
22 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
		Footwork on front left foot.
23 Jan 2008	Foot management	Trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
23 Jan 2008	Medical note	Collected 8cc of blood for study/bank.
24 Jan 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
24 Jan 2008	Medical observation	Left eye swollen in AM with a small amount of pink tissue protruding. Applied antibiotic ointment on the eye twice today. Vet will check tomorrow.
25 Jan 2008	Medical observation	Elephant's conjunctiva in the left eye is very inflamed. She was started on triple antibiotic ointment with hydrocortisone yesterday. Ocular exam today showed conjunctivitis still present, as well as corneal edema at the margin of the cornea and sclera.
25 Jan 2008	Medical treatment	Switched medication to triple antibiotic ointment w/o hydrocortisone OS BID and 0.2 mlis flurbiprofen OS BID UFN.
25 Jan 2008	Foot management	Trimmed nail on front left foot.
26 Jan 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust.
27 Jan 2008	Foot management	Trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
27 Jan 2008	Note	Collected urine for study.
		This comment was added to the following specimens: 000028, 000029, 205003.
28 Jan 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust. Collected urine sample for study.
29 Jan 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
29 Jan 2008	Medical treatment	Treated left eye BID with flubiprofin and triple antibiotic ointment.
30 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
31 Jan 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
1 Feb 2008	Medical observation	Rechecked left eye. Corneal edema has resolved, and the conjunctival swelling is significantly reduced in size. Continue current treatment. Will recheck in one week. (LDR)
1 Feb 2008	Foot management	Keeper trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail



		was scrubbed in PM with betadine and WonderDust applied.
2 Feb 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
3 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
4 Feb 2008	Foot management	Trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
5 Feb 2008	Foot management	Cleaned nail on front left foot in AM and applied wonderdust. Scrubbed out nail with betadine and applied wonderdust in PM.
6 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
7 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
7 Feb 2008	Note	Collected urine from all elephants.
		This comment was added to the following specimens: 000028, 000029, 205003.
8 Feb 2008	Foot management	Keeper trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
9 Feb 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
10 Feb 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust.
11 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
11 Feb 2008	Physical condition	Left eye more red and swollen in PM than AM.
12 Feb 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
13 Feb 2008	Foot management	Keeper trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
14 Feb 2008	Foot management	Soaked front left foot in warm water for 15 minutes.
15 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
16 Feb 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust.
17 Feb 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust.
17 Feb 2008	Note	Collected urine from all three.
		This comment was added to the following specimens: 000028, 000029, 205003.
18 Feb 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust.
19 Feb 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust. Trimmed both front feet and filed nails.
20 Feb 2008	Foot management	Soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off foot, scrubbed with betadine and applied WonderDust.
20 Feb 2008	Behavior Note	Observed laying down and propping up back feet. Possible belly ache. Gave bran and equisyl with PM grain.
20 Feb 2008	Medical note	Collected 8cc blood.
21 Feb 2008	Foot management	Trimmed toenail on left front foot. Scrubbed out nail with betadine in PM.
21 Feb 2008	Physical condition	Left eye swollen on upper lid in AM, but appeared normal in PM.



21 Feb 2008	Diet	Offered bran and equisyl again in AM. Eating and defecating normally throughout the day.
22 Feb 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust. Trimmed both front feet and filed nails.
22 Feb 2008	Medical treatment	Change treatment to Triple Antibiotic Ointment with Hydrocortisone, and continue current flurbiprofen treatment. (LDR) Rx: TRIPLE ANTIBIOTIC OINTMENT WITH HC 0.25 in OS BID until further notice. (JS)
22 Feb 2008	Medical observation	Rechecked left eye. Conjunctivitis appears about the same; still showing inflammation.
23 Feb 2008	Foot management	Trimmed nail on left front foot.
24 Feb 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Collected urine sample.
25 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
26 Feb 2008	Foot management	AM-soaked front left foot in warm water both for 15 minutes and applied WonderDust to her nail. PM-scrubbed out the nail of her left front foot with betadine and applied WonderDust.
26 Feb 2008	Medical treatment	Applied triple antibiotic ointment and flurprofen to left eye BID.
26 Feb 2008	Medical observation	Rechecked left eye/conjunctiva. It has improved ~25% from when checked on 2/22. Continue current treatment.
27 Feb 2008	Foot management	Trimmed on the front left toenail on her front left foot.
27 Feb 2008	Medical note	Collected 8cc blood.
		This comment was added to the following specimens: 000028, 000029, 205003.
28 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
29 Feb 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
29 Feb 2008	Medical observation	Vet observed left eye and said it looked better and to continue treatment.
1 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
2 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
3 Mar 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Applied triple antibiotic ointment and 0.2ml flurbiprofen in left eye BID. Collected urine.
5 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
6 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
7 Mar 2008	Foot management	Keeper trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
8 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
9 Mar 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
9 Mar 2008	Note	Collected urine sample.
10 Mar 2008	Foot management	Trimmed nail on front left foot in AM and applied Wonderdust. Scrubbed out nail with betadine in PM and applied Wonderdust.
11 Mar 2008	Foot management	Trimmed on her rear right foot. Trimmed on her right front toe as well.
12 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
13 Mar 2008	Foot management	Keeper trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail



		was scrubbed in PM with betadine and WonderDust applied.
14 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
15 Mar 2008	Foot management	Trimmed nail on front left foot in AM and applied Wonderdust. Scrubbed out nail with betadine in PM and applied Wonderdust.
16 Mar 2008	Foot management	Trimmed nail on front left foot in AM and applied Wonderdust. Scrubbed out nail with betadine in PM and applied Wonderdust.
17 Mar 2008	Foot management	Trimmed nail on front left foot in AM and applied Wonderdust. Scrubbed out nail with betadine in PM and applied Wonderdust.
18 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
18 Mar 2008	Medical treatment	Discontinue treatment at this time; observe for any changes in appearance.
18 Mar 2008	Medical observation	Rechecked left eye. No change in appearance.
19 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed all feet. Collected 8cc blood.
20 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes.
21 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
23 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
23 Mar 2008	Note	Collected urine.
25 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on toe on front left foot.
26 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
27 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
28 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
29 Mar 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
30 Mar 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Collected urine sample.
31 Mar 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
1 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Collected urine sample.
3 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
4 Apr 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
5 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
6 Apr 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
6 Apr 2008	Note	Collected urine.
7 Apr 2008	Foot management	Scrubbed out nail on front left foot with betadine and applied Wonderdust.
7 Apr 2008	Diet	Began 3-day hay consumption evaluation for nutrition study at PM feeding.
		This comment was added to the following specimens: 000028, 000029, 205003.
8 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail



8 Apr 2008	Aggression	with betadine in PM. Trimmed on rear right foot. 000028 chased 000029 to far end of yard. 000029 stretched and 000028 pushed her through the hotwire into perimeter fence. 000029 had tusk marks on back in a few places. Elephants were seperated and 000029 was treated with Betadine and warm water on scrapes, then chlorhexadine cream was applied. Observed 000028 checking urine and vulva from 205003 and placing trunk on her vomeronasal gland.
9 Apr 2008	Medical note	This comment was added to the following specimens: 000028, 000029, 205003. 8cc blood taken from 000028 and 205003. 4cc taken from 000029. This comment was added to the following specimens: 000028, 000029, 205003.
10 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes.
10 Apr 2008	Behavior Note	000029 and 205003 had main yard while 000028 was in holding yard. Fed all 3 in runway together. Much more relaxed today. 000028 and 000029 took turns stealing bamboo from each other. This comment was added to the following specimens: 000028, 000029, 205003.
11 Apr 2008	Foot management	Trimmed on toe, on left front foot.
12 Apr 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
12 Apr 2008	Behavior Note	000029 displaced 000028 over hay through bars in AM. 000029 building confidence and was near 000028 85% of the day. This comment was added to the following specimens: 000028, 000029.
13 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
13 Apr 2008	Behavior Note	000029 was displacing 000028 over hay and displaced 205003 at AM and PM grain. This comment was added to the following specimens: 000028, 000029, 205003.
14 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
14 Apr 2008	Introduction Note	Put 000028 and 205003 together in barn (stalls 1,2,3 and ERD - to make a loop) for first time since 8 April. 000028 mildly displaced 205003 with trunk over the back of 205003 (went well). 000029 into ERD and stretched without problems. Overnight: 000028 in stall 4, 000029 in stalls 2,3 (middle) and 205003 in stall 1. 000029 and 205003 greeted 000028 at door 8 when 000029 let out to holding yard. This comment was added to the following specimens: 000028, 000029, 205003.
15 Apr 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
15 Apr 2008	Introduction Note	Put 000029 and 205003 together again inside in the AM with all doors and ERD opened (went well). 000028 was in the holding yard today. The elephants were fed on the runway and were seen eating together several times throughout the day. This comment was added to the following specimens: 000028, 000029, 205003.
16 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
16 Apr 2008	Introduction Note	Put 000028 and 000029 together in AM for 1 hour. 000029 displaced 000028 a few times over food. 000029 and 205003 spent the day in the main yard with 000028 in the holding yard. They were fed on the runway and were seen eating together several times throughout the day. This comment was added to the following specimens: 000028, 000029, 205003.
16 Apr 2008	Medical note	Collected 8cc blood from each.
17 Apr 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM,



17 Apr 2008	Introduction Note	rinsed off left front foot scrubbed it with betadine and applied WonderDust. 000028 and 000029 were put together in teh holding yard and had access to the building. 000029 was unsure at first but they both calmed down quickly. Will continue watching them during the day while they are together. At 2:30pm, put 000028 in main yard with 000029 and 205003 in holding until closing. 000028 locked into stall 4 overnight. 000029 and 205003 given access to holding yard, and stalls 1,2 and 3.
18 Apr 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
18 Apr 2008	Introduction Note	000029 still very unsure of herself. 000028 and 000029 in together in building and holding yard until 1:30pm. Put together with food piled in holding yard. 000029 dominant at first but went back and forth submitting to each other. Settled down by afternoon.
19 Apr 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
20 Apr 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
20 Apr 2008	Introduction Note	000028 took hay from 000029 in AM while in seperate stalls. In AM, put 000028 and 205003 in main yard. 000029 was in holding yard and stalls 1 and 2. In the afternoon, locked 000029 in stall 2 and brought 000028 into stall 1. Opened up ERD to make loop inside and gave them access to holding yard. Once door between 000029 and 000028 was opened, 000029 went outside immediately and stretched out in the holding yard. 000028 followed her out and began pushing and shoving 000029 into fence. After about 5-10 minutes, let 205003 out into holding yard with other two. She acted as a buffer and 000028 began to settle down and elephant manager called her over and fed her produce and alfalfa. All the elephants begin to calm down but 000028 continued to position herself so 000029 couldn't leave the holding yard. After about 20-30 minutes, brought all three inside to their own stall. 000029 and 000028 were next to each other. They were observed eating hay next to each other at the bars.
21 Apr 2008	Introduction Note	This comment was added to the following specimens: 000028, 000029, 205003. 000029 and 205003 in main yard. 000028 in holding yard and stall #1. 000029 went to far end of main yard when let out. Observed 000029 and 000028 eating and gate 8. When brought inside 000028 in stall 4 and 000028 and 205003 submitted to 000028 twice (put her rear end to her).
22 Apr 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
22 Apr 2008	Medical observation	Radiographs taken of elephant's tusks today to ascertain location of pulp cavity in preparation for tusk trimming. (LDR)
23 Apr 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
24 Apr 2008	Foot management	Keeper trimmed on left front foot in the AM. Scrubbed it with betadine and applied WonderDust. In the PM, rinsed off her foot, scrubbed it with betadine and applied WonderDust.
25 Apr 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
26 Apr 2008	Foot management	Trimmed toe on front left foot.
26 Apr 2008	Behavior Note	000029 very unsure of herself in PM. 000029 and 205003 were in runway with 000028 in holding yard. 000029 ran inside to get away.
27 Apr 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.



27 Apr 2008	Behavior Note	000029 and 205003 were in the main yard and runway. 000028 was in holding yard. They were fed on the runway and were seen eating together throughout the day. In the PM, 205003 was in stall 4 and 000029 was reaching through the ERD with her trunk and hit it with her head and put her foot on the side.
28 Apr 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Footwork done on both front feet by manager.
28 Apr 2008	Note	Collected urine.
28 Apr 2008	Behavior Note	In AM, 000028 put on long leg chain connected to a longer chain in the holding yard to give her more movement. All 3 elephants were put together in holding yard. 000029 spent the day in holding yard and 000028 and 205003 were in the main yard and hte runway. They were seen eating together several times throughout the day.
29 Apr 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
29 Apr 2008	Medical observation	Vet radiographed left tusk.
29 Apr 2008	Behavior Note	In AM, 000028 was on a leg chain in teh holding ayrd with 000029 and 205003. 000028 spent the day in the holding yard. 205003 and 000029 had hte main yard and the runway. They were eating together several times throughout the day. While 000028 was in the ERD for her PM treatment, 000029 was reaching through with trunk and hit the ERD twice with head.
29 Apr 2008	Medical observation	This comment was added to the following specimens: 000028, 000029, 205003. Radiographs taken of elephant's left tusk today to ascertain location of pulp cavity in preparation for tusk trimming. Lateral view from base of tusk down to tip taken. No pulp cavity observed; tusk very dense. (LDR)
30 Apr 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Footwork done on both front feet by manager.
30 Apr 2008	Medical note	Collected blood from all three elephants.
30 Apr 2008	Behavior Note	This comment was added to the following specimens: 000028, 000029, 205003. In AM, 000028 was put on a leg chain in holding yard with 000029 and 205003. 000029 and 000028 went for a pad of hay, 000029 was scared of 000028 and stretched, 000028 stood over 000029 but did nothing else. 000029 and 205003 spent the day in the hodling yard, 000028 had the runway and 3 stalls in the building. All observed eating together throughout the day.
1 May 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
1 May 2008	Behavior Note	When elephants were brought in from holding yard in AM. 000029 did not want to walk past 000028. Leg chain on 000028 shortened so there was plenty of room to get by without touching. 000029 still did not want to walk past. Rope place on front foot of 000029, then walked up to door 7 and came through it when opened with not problems.
2 May 2008	Foot management	This comment was added to the following specimens: 000028, 000029, 205003. Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Footwork done on both front feet by manager.
3 May 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
4 May 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail



		with betadine in PM. Trimmed on rear right foot.
5 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
6 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
7 May 2008	Foot management	Trimmed toe on front left foot.
7 May 2008	Medical note	Took 8cc blood.
		This comment was added to the following specimens: 000028, 000029, 205003.
8 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
9 May 2008	Foot management	Keeper trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Left front foot trimmed by keeper also.
10 May 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
11 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
12 May 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
12 May 2008	Note	Collected urine.
13 May 2008	Medical procedure	Elephant was sedated with a total of 750 mg xylazine IM to facilitate tusk trimming. Once elephant was sufficiently sedated, 3" of ivory was cut off of each tusk. Elephant was given 70 mls (7000 mg) tolazoline IM to reverse effects of xylazine. She was alert enough at noon to receive small amount of browse.
14 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust. Keeper trimmed back feet in the ERD.
15 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
16 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
17 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
18 May 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
19 May 2008	Foot management	Trimmed out nail on front left foot in AM. Scrubbed out nail in PM.
20 May 2008	Foot management	In AM, keeper soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
21 May 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
21 May 2008	Note	Found a nail in the stall where 000028 was is (stall 4). Probably can in with hay.
22 May 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
23 May 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust. Trimmed toe on front left foot.
24 May 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
25 May 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
26 May 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.



Date	Note	Description
26 May 2008	Note	Collected urine from both.
		This comment was added to the following specimens: 000028, 000029.
28 May 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied. Manager did footwork and worked on nails on all but the front right foot.
28 May 2008	Medical note	Drew 8cc blood from all elephants today.
		This comment was added to the following specimens: 000028, 000029, 205003.
29 May 2008	Foot management	In AM, soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
30 May 2008	Foot management	In AM, soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust. Foot work done on right front foot. Trimmed nail on front left.
31 May 2008	Foot management	In AM, soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
1 Jun 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
2 Jun 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed on rear right foot.
2 Jun 2008	Note	Collected urine sample.
3 Jun 2008	Foot management	In AM, soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust. Trimmed toe on front left foot.
4 Jun 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
5 Jun 2008	Foot management	In AM, soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
6 Jun 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
7 Jun 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
8 Jun 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
8 Jun 2008	Note	Urine collected from all elephants today.
		This comment was added to the following specimens: 000028, 000029, 205003.
9 Jun 2008	Foot management	Trimmed out nail on front left foot in AM. Scrubbed out nail with betadine solution.
10 Jun 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM.
11 Jun 2008	Foot management	Keeper trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
11 Jun 2008	Medical note	8cc blood collected from all elephants.
		This comment was added to the following specimens: 000028, 000029, 205003.
12 Jun 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
12 Jun 2008	Physical condition	Sanded Ivory in AM.
13 Jun 2008	Foot management	Manager trimmed nail on left front foot and scrubbed it out with betadine and applied WonderDust. Nail was scrubbed in PM with betadine and WonderDust applied.
14 Jun 2008	Foot management	Soaked front left foot in warm water for 15 minutes.
15 Jun 2008	Foot management	Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail



16 Jun 2008	Foot management	with betadine in PM. Soaked front left foot in warm water for 15 minutes in AM and applied WonderDust. Scrubbed out nail with betadine in PM. Trimmed out nail on front left foot in AM.
16 Jun 2008	Note	Collected urine.
17 Jun 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust.
18 Jun 2008	Foot management	In AM, keeper trimmed on nail and soaked left front foot in warm water for 15 minutes and applied WonderDust. In PM, rinsed off left front foot scrubbed it with betadine and applied WonderDust. Trimmed toe on left front foot.
18 Jun 2008	Medical note	8cc blood taken. This comment was added to the following specimens: 000028, 000029, 205003.
19 Jun 2008	Foot management	Soaked front left foot in warm water for 15 minutes.
20 Jun 2008	Medical observation	Rechecked toenail. Is healing well. Tissue, though still soft, is hardening in the center. Discontinue treatment and monitor. (LDR)
22 Jun 2008	Note	Collected urine sample.
25 Jun 2008	Medical note	Collected 8cc blood from each. This comment was added to the following specimens: 000028, 000029, 205003.
30 Jun 2008	Note	Collected urine today.
30 Jun 2008	Physical condition	Checked nail. No foul odor, not sensitive.
3 Jul 2008	Introduction Note	Put together off chains in holding yard. 000029 ran once, 000028 hovered over her, but didn't engage. First day of using hotwire barrier in the yard. 000029 backed up to it where 000028 was standing. This comment was added to the following specimens: 000028, 000029.
3 Jul 2008	Introduction Note	Put together off chains in holding yard. 000029 ran once, 000028 hovered over her, but didn't engage. First day of using hotwire barrier in the yard. 000029 backed up to it where 000028 was standing. This comment was added to the following specimens: 000028, 000029.
3 Jul 2008	Medical observation	Rechecked nail. Nail tissue continues to harden and grow in. Is not sensitive to touch, and no foul odor is noted. (LDR)
10 Jul 2008	Medical note	Collected 8cc blood from each. This comment was added to the following specimens: 000028, 000029, 205003.
24 Jul 2008	Medical note	Blood taken from all 3 elephants. This comment was added to the following specimens: 000028, 000029, 205003.
30 Jul 2008	Foot management	Keeper did footwork on all 4 feet.
6 Aug 2008	Medical note	Collected 16cc blood for serum research project. This comment was added to the following specimens: 000028, 000029, 205003.
6 Aug 2008	Note	Collected 100mL urine for research project. This comment was added to the following specimens: 000028, 000029.
6 Aug 2008	Foot management	Manager trimmed out nail-some rot present. Trimmed out and opened up. Looked good, didn't smell bad.
7 Aug 2008	Medical treatment	Put Koppertox on nail of front left foot yesterday, today and will tomorrow.
13 Aug 2008	Medical note	8cc blood taken.
19 Aug 2008	Medical note	Drew 8cc blood from each. This comment was added to the following specimens: 000028, 000029, 205003.

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Clinical Note: 9.May.2007
8 mls blood collected from ear for banking. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 2 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 15.May.2007
Examined progress of nail abscess. Trimmed away soft nail material at center of abscess with a scalpel blade and hemostats. (LDR)

Clinical Note: 22.May.2007
Hole has been opened up more on left front toenail. Appears improved. (LDR)

Clinical Note: 23.May.2007
8 mls of blood was drawn from left ear of elephant. Samples banked. (LDR)

Clinical Note: 29.May.2007
Tx: soaked left front foot in warm water for 15 minutes BID. Trimmed soft tissue from nail. (LDR)

Clinical Note: 30.May.2007
Noted edema on right side of ventral abdomen.
Tx: soaked left front foot in warm water for 15 minutes BID. Applied wonderdust. (LDR)

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Clinical Note:

31.May.2007

Tx: soaked left front foot in warm water for 15 minutes BID.
Hydrotherapy on edema on right side of abdomen for 15 minutes BID.
Nail trimmed out on left front foot. (LDR)

Clinical Note:

1.Jun.2007

Treat edema with hydrotherapy SID UFN and DMSO liquid spray on edematous areas SID UFN.
Tx: Hydrotherapy for 15 minutes on edema on the right side, applied DMSO topically.
Soaked front left foot in warm water for 15 minutes BID, wonderdusted hole BID. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 3 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note:

2.Jun.2007

Tx: Soaked left front foot in warm water BID, applied wonderdust BID.
Hydrotherapy on right side of abdomen for 15 minutes. DMSO applied to edema. (LDR)

Clinical Note:

3.Jun.2007

Tx: Front left foot soaked for 15 minutes BID in warm water.
Hydrotherapy on edema on right side for 15 minutes BID. Front left toenail trimmed. (LDR)

Clinical Note:

4.Jun.2007

Tx: Soaked front left foot in warm water for 15 minutes BID.
Hydrotherapy on edema on right side of abdomen for 15 minutes. (LDR)

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Clinical Note:

5.Jun.2007

Edema appears to be decreasing. Continue hydrotherapy and DMSO treatments.

Tx: Hydrotherapy on edema BID. Soaked left front foot in warm water for 15 minutes BID. (LDR)

Clinical Note:

6.Jun.2007

BACTERIOLOGY RESULTS FOR FECAL CULTURE:

Completed: 5-30-07/1:41p

AEROBIC CULTURE 5-30-07/1:41P

SAMPLE ORGANISM

Feces No pathogenic bacteria isolated

SALMONELLA CULTURE 5-30-07/1:41p Negative (LDR)

Clinical Note:

7.Jun.2007

Tx: Soaked left front foot in warm water for 15 minutes BID.

Hydrotherapy on edema for 15 minutes BID. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 4 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note:

8.Jun.2007

Tx: Soaked left front foot in warm water for 15 minutes BID.

Hydrotherapy on edema for 15 minutes. (LDR)

Clinical Note:

9.Jun.2007

Tx: Soaked left front foot in warm water for 15 minutes BID. Applied wonderdust. Hydrotherapy on edema for 15 minutes. (LDR)

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Clinical Note: 10.Jun.2007
Clear discharge observed dripping from vulva. Tx: soaked front left foot in warm water for 15 minutes BID. Applied wonderdust. Hydrotherapy on edema for 15 minutes. Loose sandy feces found in stalls in am. Observed #000029 defecating in pm, feces were not loose, but very pungent. (LDR)

Clinical Note: 11.Jun.2007
Feces all appeared normal today. Tx: Soaked left front foot in warm water for 15 minutes BID. Applied wonderdust. This will continue until further notice. Hydrotherapy on edema for 15 minutes. (LDR)

Clinical Note: 12.Jun.2007
Edema has decreased greatly. Apply DMSO one final time and then discontinue hydrotherapy and DMSO treatments. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 5 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 26.Jun.2007
TRUNK WASH RESULTS FROM NATIONAL VETERINARY SERVICES LABORATORIES:

ACCESSION: 494147 SPECIES: ELEPHANT

NVSL ID	CASE #	SAMPLE ID	ANIMAL ID
1674245	0708166	1/4-3-7	LISA 000028

Mycobacteria Isolation
Diagnosis: No Isolation Made

Specimen submitted: Trunk Wash

1674246	0708167	1/4-6-7	LISA 000028
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Mycobacteria Isolation
Diagnosis: No Isolation Made

Specimen submitted: Trunk Wash

1674247	0708168	1/4-10-07	LISA 000028
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Mycobacteria Isolation
Diagnosis: No Isolation Made

Specimen submitted: Trunk Wash

Distribution: Approved by: Janet Payeur
Submitter: National Veterinary Services
Laboratories
6/25/07 (LDR)

Clinical Note: 3.Jul.2007
Changed treatment for elephant's toenail: AM - soak left front foot
SID UFN; PM - clean nail, scrub with betadine, rinse well, and then
use wonderdust in the hole UFN. (LDR)

Clinical Note: 8.Jul.2007
Collected urine samples for hyperprolactinemia study. Urine will be
collected once a week for one year, with a start date of 7/8/07. (LDR)

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 11.Jul.2007
8 mls blood was taken from the right ear and spun down to collect serum for the hyperprolactemia study (collecting urine samples as well). (LDR)

Clinical Note: 12.Jul.2007
Elephant manager has observed over the last few weeks that the regeneration of the soft nail tissue has slowed down. (LDR)

Clinical Note: 13.Jul.2007
Nail observed today. Nail looks exactly the same as when he has observed it in the past. Per Alan Roocroft, he says this will be an ongoing issue. Continue to keep the area open. (LDR)

Clinical Note: 15.Jul.2007
Observed possible edema on right side of body. Collected urine for ongoing study. (LDR)

Clinical Note: 17.Jul.2007
Elephant has edema on her ventrum. Treat with warm water hydrotherapy BID UFN. (LDR)

Clinical Note: 18.Jul.2007
8 mls blood withdrawn from ear vein.
Tx: Hydrotherapy on ventral edema for 15 minutes BID. (LDR)

Clinical Note: 19.Jul.2007
Tx: Hydrotherapy on right side ventral edema for 15 minutes BID. (LDR)

Clinical Note: 20.Jul.2007
Tx: Hydrotherapy on right side ventral edema for 15 minutes BID.
Approved DMSO spray SID on elephant's edema. (LDR)

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Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 7 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 21.Jul.2007
Tx: Hydrotherapy on right side ventral edema for 15 minutes BID. DMSO applied TO SID. (LDR)

Clinical Note: 22.Jul.2007
Urine collected for study.
Tx: Hydrotherapy on right side ventral edema for 15 minutes BID. DMSO TO SID. (LDR)

Clinical Note: 24.Jul.2007
Tx: Hydrotherapy on right side ventral edema for 15 minutes BID. DMSO TO SID.
Elephant manager observed elephant is wearing a groove into her left tusk by the gum line. (LDR)

Clinical Note: 25.Jul.2007
Tx: Hydrotherapy on right side for 15 minutes BID UFN. DMSO TO SID UFN. (LDR)

Clinical Note: 27.Jul.2007
Found three piles of sandy feces in the morning. Not sure which elephant defecated this. (LDR)

Clinical Note: 29.Jul.2007
Urine sample collected for study. (LDR)

Clinical Note: 31.Jul.2007
Page 49

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8 mls blood was drawn from elephant's left ear for banking serum, (LDR)

Clinical Note: 6.Aug.2007
Urine sample was collected for study. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 8 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 17.Aug.2007
Fecal cultures submitted for routine culture. (LDR)

Clinical Note: 20.Aug.2007
Urine samples collected for study. (LDR)

Clinical Note: 21.Aug.2007
Elephant's edema has not changed much in the past several weeks of treatment. Continue current therapy of hydrotherapy BID and DMSO application SID. If there is no improvement in one week, an injection of furosemide will be administered to see if this decreases the edema. (LDR)

Clinical Note: 26.Aug.2007
Urine samples collected for study. (LDR)

Clinical Note: 28.Aug.2007
Elephant's edema has decreased. Discontinue hydrotherapy and DMSO application. (LDR)

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Clinical Note: 29.Aug.2007
8 mls of blood withdrawn from ear. (LDR)

Clinical Note: 5.Sep.2007
8 mls blood taken from ear for study. (LDR)

Clinical Note: 12.Sep.2007
8 mls blood collected from ear for study. (LDR)

Clinical Note: 24.Sep.2007
Collected urine for study. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 9 -

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LOXODONTA AFRICANA AFRICANA      Sex: Female      Acc. #: 000028
South African bush elephant      Age: 35Y 1M 0D   Birth: 28.Jul.1973
Name: LISA
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Clinical Note: 26.Sep.2007
BACTERIOLOGY FECAL CULTURE, IVOR REGIONAL LAB:
Accession: 24451-07 Sample: Feces
Completed: 8-31-2007/9:22a

AEROBIC CULTURE: No pathogenic bacteria isolated.

SALMONELLA CULTURE: Negative

8 mls blood collected from ear for study. (LDR)

Clinical Note: 2.Oct.2007
Rx: IMRAB 2 ml IM q365d for 1 day.
Rx: EWT-WNV COMBO VACCINE 2 ml IM q365d for 1 day. (JS)
Page 51

ELEMEDHX

Clinical Note: 2.Oct.2007
Annual vaccinations given. Received 2 mls rabies IM and 2 mls EWT-WNV IM once in left semis. (LDR)

Prescription Data >> Starting date: 2.Oct.2007
Drug: IMRAB 2 ml IM q365d
Formulation: injectable
Prescribed by: JS (2.Oct.2007) Filled by: JS (2.Oct.2007)
Treatment weight: 4841 kg
Retreatment scheduled for 1.Oct.2008

Prescription Data >> Starting date: 2.Oct.2007
Drug: EWT-WNV COMBO 2 ml IM q365d
Formulation: injectable
Prescribed by: JS (2.Oct.2007) Filled by: JS (2.Oct.2007)
Treatment weight: 4841 kg
Retreatment scheduled for 1.Oct.2008

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 10 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 15.Oct.2007
Urine collected for study. (LDR)

Clinical Note: 16.Oct.2007
Collected 8 mls blood from right ear for banking. (LDR)
Page 52

ELEMEDHX

Clinical Note: 24.Oct.2007
8 mls of blood collected to bank. (LDR)

Clinical Note: 7.Nov.2007
8 mls blood collected for banking. (LDR)

Clinical Note: 11.Nov.2007
Urine collected for study. (LDR)

Clinical Note: 13.Nov.2007
Discussion with elephant manager, veterinarian, and curators: Start giving straw with hay to the elephants as a weight reducer. (LDR)

Clinical Note: 14.Nov.2007
8 mls of blood withdrawn from the right ear for banking. (LDR)

Clinical Note: 18.Nov.2007
Urine collected for study. (LDR)

Clinical Note: 20.Nov.2007
Elephant manager asked about feeding elephants straw to keep their weights down. Vet approved doing this. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 11 -

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LOXODONTA AFRICANA AFRICANA Sex: Female Acc. #: 000028
South African bush elephant Age: 35Y 1M 0D Birth: 28.Jul.1973
Name: LISA

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Clinical Note: 26.Nov.2007
Increased straw amount fed to elephant from 1/4 bale to 1/2 bale per night.
Collected urine for study. (LDR)

Clinical Note: 28.Nov.2007
Collected 8 mls blood from ear for banking. (LDR)

Clinical Note: 4.Dec.2007
Toe has improved since last observed. (LDR)

Clinical Note: 17.Dec.2007
Urine collected for study. (LDR)

Clinical Note: 18.Dec.2007
Approved use of Keratex hoof hardener on the elephants' nails. Brush on nail SID for one week, then twice weekly UFN. Do not get the liquid on skin (human or elephant). Allow to dry before letting elephants have access to their feet with their trunks. (LDR)

Clinical Note: 26.Dec.2007
8 mls blood collected for banking; urine collected for study. (LDR)

Clinical Note: 2.Jan.2008
Urine collected for study. (LDR)

Clinical Note: 8.Jan.2008
Urine collected for study. (LDR)

Clinical Note: 13.Jan.2008
Collected urine for study. (LDR)

Printed on: 27.Aug.2008

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/ISIS/MedARKS/5.53.a

- page 12 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 19.Jan.2008
Urine collected for study. (LDR)

Clinical Note: 23.Jan.2008
8 mls blood collected for study and to bank. (LDR)

Clinical Note: 24.Jan.2008
Rx: TRIPLE ANTIBIOTIC OINTMENT W/O HCN ~1/4 in OS BID until further notice. (JS)

Clinical Note: 24.Jan.2008
Conjunctivitis of left eye. Became more swollen through out day.
Started on triple antibiotic ointment with hydrocortisone BID. (LDR)

Prescription Data >> Starting date: 24.Jan.2008
Drug: TRIPLE ANTIBIOTIC WITH DEXAMETHASON ~1/4 in OS BID
Formulation: ointment
Prescribed by: JS (24.Jan.2008) Filled by: JS (24.Jan.2008)
Treatment weight: 4841 kg

Clinical Note: 25.Jan.2008
Rx: TRIPLE ANTIBIOTIC OINTMENT W/O HCN 1/4 in OS BID until further notice.
Rx: FLURBIPROFEN 0.2 ml OS BID until further notice. (JS)

Purpose: to treat conjunctivitis.

Prescription Data >> Starting date: 25.Jan.2008
Drug: TRIPLE ANTIBIOTIC OINTMENT W/O HCN 1/4 in OS BID for 29 days
Formulation: ophthalmic ointment

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Prescribed by: JS (25.Jan.2008) Filled by: LDR (25.Jan.2008)
Treatment weight: 4841 kg

Comments >>

Printed on: 27.Aug.2008 /ISIS/MedARKS/5.53.a

- page 13 -

Medical History Report - Individual Specimen
VIRGINIA ZOOLOGICAL PARK

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Prescription Record (continued):

Place 1/4" strip into left eye and along conjunctiva.

Originally prescribed until further notice.
Discontinued on 22.Feb.2008

Purpose: to treat corneal edema and inflammation in left eye.

Prescription Data >> Starting date: 25.Jan.2008
Drug: FLURBIPROFEN 0.2 ml OS BID for 54 days
Formulation: liquid
Prescribed by: JS (25.Jan.2008) Filled by: LDR (25.Jan.2008)
Treatment weight: 4841 kg

Comments >>

Place 0.2 mls of medication into left eye.

Originally prescribed until further notice.
Discontinued on 18.Mar.2008

Clinical Note:
Urine collected for study. (LDR)

27.Jan.2008

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30.Jan.2008

Clinical Note:
BACTERIOLOGY AEROBIC CULTURE RESULTS: No pathogenic bacteria isolated. Fecal sample was negative for pathogenic E coli and Salmonella.

Completed: 1-24-08/9:27a
8 mls blood from ear vein. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 14 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 1.Feb.2008
Rechecked left eye. Corneal edema has resolved, and the conjunctival swelling is significantly reduced in size. Continue current treatment. Will recheck in one week. (LDR)

Clinical Note: 7.Feb.2008
Collected urine for research study. (LDR)

Clinical Note: 8.Feb.2008
Rechecked left eye. Conjunctiva still has some swelling. Continue current treatment of flurbiprofen and triple antibiotic ointment OS. Will recheck 2/16. (LDR)

Clinical Note: 11.Feb.2008
Left eye appears more red and swollen in pm. Urine collected for study. (LDR)

Clinical Note: 17.Feb.2008
Page 57

ELEMEDHX

Urine collected for research study. (LDR)

Clinical Note: 20.Feb.2008
Observed laying down and propping up back feet; possibly colicky.
Gave bran and equisyl on pm grain. (LDR)

Clinical Note: 21.Feb.2008
Conjunctiva of upper lid appeared swollen in am, but was normal in pm.
Received bran and equisyl again in am - eating and defecating normally
throughout day.
8 mls blood collected for banking. (LDR)

Clinical Note: 22.Feb.2008
Rx: TRIPLE ANTIBIOTIC OINTMENT WITH HC 0.25 in OS BID until further
notice. (JS)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 15 -

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LOXODONTA AFRICANA AFRICANA      Sex: Female      Acc. #: 000028
South African bush elephant      Age: 35Y 1M 0D   Birth: 28.Jul.1973
Name: LISA
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Clinical Note: 22.Feb.2008
Rechecked left eye. Conjunctivitis appears about the same; still
showing inflammation. Change treatment to Triple Antibiotic Ointment
with Hydrocortisone, and continue current flurbiprofen treatment. (LDR)

Prescription Data >> Starting date: 22.Feb.2008
Drug: TRIPLE ANTIBIOTIC OINTMENT WITH HCN 0.25 in OS BID for
26 days
Formulation: ophthalmic ointment
Prescribed by: JS (22.Feb.2008) Filled by: LDR (22.Feb.2008)
Treatment weight: 4841 kg

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Comments >>

Place ~1/4" strip in left eye to treat conjunctivitis/inflammation.

Originally prescribed until further notice.

Discontinued on 18.Mar.2008

Clinical Note: 24.Feb.2008
Urine sample collected for study. (LDR)

Clinical Note: 26.Feb.2008
Rechecked left eye/conjunctiva. It has improved ~25% from when checked on 2/22. Continue current treatment. (LDR)

Clinical Note: 27.Feb.2008
8 mls blood drawn from ear for banking. (LDR)

Clinical Note: 3.Mar.2008
Urine collected for study. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 16 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 7.Mar.2008
Approved "elephant cake" to be given as treats to elephants.
Elephant cake ingredients:
3 cups mashed banana

ELEMEDHX

- 4 raw eggs
- 1/2 cup linatone
- 4 cubs Herbivore chow dust
- 3 cups diced apples
- 2 TBS baking powder
- 2 tsp baking soda
- 1 cup nuts
- 1 cup raisins
- 1/4 cup honey * optional: may replace honey with yogurt or molasses.

In afternoon, elephant ate nylon off of umbrella left in her reach by marketing employee. (LDR)

Clinical Note: 9.Mar.2008
Urine samples collected for study. (LDR)

Clinical Note: 16.Mar.2008
Urine sample collected for study. (LDR)

Clinical Note: 18.Mar.2008
Rechecked left eye. No change in appearance. Discontinue treatment at this time; observe for any changes in appearance. (LDR)

Clinical Note: 19.Mar.2008
Collected 8 mls blood from elephant. (LDR)

Clinical Note: 23.Mar.2008
Collected urine for study. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 17 -

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LOXODONTA AFRICANA AFRICANA

Sex: Female

Acc. #: 000028

Page 60

ELEMEDHX

South African bush elephant
Name: LISA

Age: 35Y 1M 0D Birth: 28.Jul.1973

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Clinical Note: 30.Mar.2008
Collected urine for study. (LDR)

Clinical Note: 9.Apr.2008
8 mls blood withdrawn for study. (LDR)

Clinical Note: 22.Apr.2008
Radiographs taken of elephant's right tusk today to ascertain location of pulp cavity in preparation for tusk trimming. No pulp cavity observed in today's radiographs. (LDR)

Clinical Note: 29.Apr.2008
Radiographs taken of elephant's left tusk today to ascertain location of pulp cavity in preparation for tusk trimming. Lateral view from base of tusk down to tip taken. No pulp cavity observed; tusk very dense. (LDR)

Clinical Note: 7.May.2008
8 mls of blood collected. (LDR)

Clinical Note: 13.May.2008
Elephant was sedated with a total of 750 mg xylazine IM to facilitate tusk trimming. Once elephant was sufficiently sedated, 3" of ivory was cut off of each tusk. Elephant was given 70 mls (7000 mg) tolazoline IM to reverse effects of xylazine. She was alert enough at noon to receive small amount of browse. (LDR)

Clinical Note: 25.May.2008
Urine sample collected for study. (LDR)

Clinical Note: 28.May.2008
8 mls of blood collected for banking. (LDR)

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Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 18 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 2.Jun.2008
Urine sample collected for study. (LDR)

Clinical Note: 8.Jun.2008
Urine collected for study. (LDR)

Clinical Note: 11.Jun.2008
Collected 8 mls of blood from ear vein for study. (LDR)

Clinical Note: 16.Jun.2008
Urine collected for study. (LDR)

Clinical Note: 18.Jun.2008
8 mls blood withdrawn from ear vein. (LDR)

Clinical Note: 20.Jun.2008
Rechecked toenail. Is healing well. Tissue, though still soft, is hardening in the center. Discontinue treatment and monitor. (LDR)

Clinical Note: 22.Jun.2008
Collected urine sample. (LDR)

Clinical Note: 25.Jun.2008
8 mls blood collected from ear vein. (LDR)

Clinical Note: 30.Jun.2008
Nail checked. No foul odor noted, and area is not sensitive when touched. Collected urine for study. (LDR)

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3.Jul.2008

Clinical Note:

Rechecked nail. Nail tissue continues to harden and grow in. Is not sensitive to touch, and no foul odor is noted. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 19 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 10.Jul.2008
8 mls blood collected from ear vein. (LDR)

Clinical Note: 22.Jul.2008
FECAL CULTURE:
Ivor Regional Laboratory
34591 General Mahone Blvd
Ivor, VA 23866
757-859-6221

Accession: 17939-08
Report Date: 7-18-08/CH2

Sample: Feces Completed: 7-18-08/8:29a

AEROBIC CULTURE 7-18-08/8:29a
Normal enteric flora.
No pathogenic bacteria isolated.

SALMONELLA CULTURE 7-18-08/8:28a
Negative (LDR)

Clinical Note: 24.Jul.2008
Blood collected from ear vein for banking and study. (LDR)

Clinical Note: 6.Aug.2008
Page 63

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16 mls blood and 100 mls urine collected for research project.
Elephant manager trimmed out left front nail. Trimmed out and opened
up. Healing well; no foul odor detected. Applied ad lib amount of
Koppertox to nail. (LDR)

Clinical Note: 7.Aug.2008
Applied Koppertox solution to nail of front left foot. Will apply
8/8/08 as well. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 20 -

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LOXODONTA AFRICANA AFRICANA	Sex: Female	Acc. #: 000028
South African bush elephant	Age: 35Y 1M 0D	Birth: 28.Jul.1973
Name: LISA		

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Clinical Note: 19.Aug.2008
8 mls blood drawn from left ear for banking. (LDR)

Printed on: 27.Aug.2008

/ISIS/MedARKS/5.53.a

- page 21 -

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

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Scientific name: LOXODONTA AFRICANA
Common Name: African elephant
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ISIS Values
Mean S.D. Min. Max. (N)

WBC	*10 ³ /UL	10.50	+ 2.648	4.500	22.10	(1544)
RBC	*10 ⁶ /UL	3.15	+ 0.40	2.05	4.80	(1480)
HGB	GM/DL	13.7	+ 1.6	7.0	26.1	(1522)
HCT	%	39.5	+ 4.6	27.0	56.0	(1984)
MCH	MG/DL	43.6	+ 3.0	34.8	66.8	(1454)
MCHC	uug	34.7	+ 2.0	18.4	57.9	(1501)
MCV	fL	125.8	+ 8.1	91.1	190.0	(1466)

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SEGS *10³/UL 3.146 + 1.695 0.000 11.80 (1224)
 BANDS *10³/UL 0.843 + 0.799 0.000 6.530 (605)
 LYMPHOCYTES *10³/UL 4.913 + 2.532 0.022 17.40 (1236)
 MONOCYTES *10³/UL 1.513 + 1.651 0.000 9.480 (1175)
 EOSINOPHILS *10³/UL 0.225 + 0.273 0.000 2.898 (885)
 BASOPHILS *10³/UL 0.049 + 0.081 0.000 0.525 (464)
 NRBC /100 WBC 0 + 1 0 3 (92)
 PLATE. CNT. *10³/UL 417 + 245 74 1380 (215)
 RETICS % 0.0 + 0.0 0.0 0.0 (7)

GLUCOSE MG/DL 84 + 15 38 174 (1437)
 BUN MG/DL 10 + 3 0 22 (1458)
 CREAT. MG/DL 1.5 + 0.5 0.0 11.0 (1405)
 URIC ACID MG/DL 0.2 + 0.4 0.0 5.1 (466)
 CA MG/DL 10.9 + 0.6 8.1 15.3 (1434)
 PHOS MG/DL 4.9 + 0.8 2.8 8.2 (1291)
 NA MEQ/L 129 + 4 107 182 (1353)
 K MEQ/L 4.8 + 0.5 3.3 7.6 (1368)
 CL MEQ/L 88 + 4 67 129 (1323)
 IRON MCG/DL 79 + 42 8 174 (54)
 MG MG/DL 1.97 + 0.75 0.65 4.20 (98)
 HCO3 MMOL/L 25.1 + 3.6 13.0 31.0 (44)
 CHOL MG/DL 68 + 17 0 234 (1290)
 TRIG MG/DL 64 + 31 0 179 (1124)
 T.PROT. (C) GM/DL 7.7 + 0.6 5.8 10.5 (1261)
 T.PROT. (R) GM/DL 8.0 + 0.4 7.4 8.6 (8)
 ALBUMIN (C) GM/DL 3.6 + 0.4 2.4 5.2 (1145)
 GLOBULIN (C) GM/DL 4.1 + 0.5 2.6 6.4 (1135)
 AST (SGOT) IU/L 24 + 10 6 93 (1398)
 ALT (SGPT) IU/L 7 + 6 0 40 (547)
 T. BILI. MG/DL 0.2 + 0.1 0.0 1.0 (1187)
 D. BILI MG/DL 0.1 + 0.1 0.0 0.3 (154)
 I. BILI. MG/DL 0.1 + 0.1 0.0 0.9 (152)
 AMYLASE U/L 3075 + 1552 0 7918 (241)
 ALK.PHOS. IU/L 128 + 61 32 441 (1404)
 LDH IU/L 988 + 568 157 4306 (1099)

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/ISIS/MedARKS/5.53.a

- page 22 -

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

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 Scientific name: LOXODONTA AFRICANA
 Common Name: African elephant
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 =====

ELEMEDHX

Mean S.D. Min. Max. (N)

CPK	IU/L	256 + 196	18	1884	(247)
OSMOLARITY	MOSMOL/L	259 + 4	246	272	(689)
ALPHA GLOB.	MG/DL	0.7 + 0.0	0.7	0.7	(1)
ALPHA-1 GLOB	MG/DL	0.7 + 0.2	0.2	0.8	(8)
ALPHA-2 GLOB	MG/DL	1.0 + 0.3	0.8	1.6	(8)
BETA GLOB.	MG/DL	1.2 + 0.8	0.6	1.7	(2)
Body Temperature:		39.0 + 0.0	39.0	39.0	(1)
CO2	MMOL/L	27.0 + 3.1	12.0	61.4	(840)
ESR	MM/HR	27 + 0	27	27	(1)
FIBRINOGEN	MG/DL	238 + 139	0	600	(70)
GGT	IU/L	12 + 5	0	37	(389)
LIPASE	U/L	7 + 7	0	45	(66)
PROGESTERONE	NG/DL	144.8 + 216.4	0.060	1005	(266)
TESTOSTERONE	NG/ML	1.010 + 1.117	0.220	1.800	(2)
TOTAL T4	MCG/DL	8.2 + 1.3	6.9	9.5	(3)
T3 (RIA)	NG/ML	209.0 + 0.0	209.0	209.0	(1)
ALBUMIN (E)	GM/DL	4.4 + 0.3	4.1	4.9	(7)
GAMMA GLOB	GM/DL	1.6 + 0.4	0.7	1.9	(7)

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- page 1 -

Medical History Report - Summary for Individual Specimen
VIRGINIA ZOOLOGICAL PARK

Page 67