

MIAMI METROZOO MEDICAL RECORD

DATE OF ACQUISITION _____
 OR BIRTH _____ WILDBORN 1966

ANIMAL ELEPHANT, ASIAN

ACCES.NO. #101 stbk#139 SEX MALE HOUSE NAME DAHLIP

- 10/13/98 Stiff walking on rt carpus again for last few days, although improving. Checked feet on 10/9 - has separation between nail and sole (mild) on lateral-most digit on RF - paired out site to check for tracts, and generally trimmed a few other areas, but no specific infection sites noted. Yesterday Dahlip "blistered out" a site in the interdigital region between his 2nd & 3rd digit (RF center) with some sloughing of superficial skin and some moist, necrotic material buildup in a deep crevice between the toenails -PROC/trimmed back all dead skin and cleaned out site, flushing with betadine.
- 10/28/98 Dahlip had developed a hole in the tip of his right tusk at some time in the past (unknown duration); it is less than 1cm diameter but he has been packing it with dirt and the keepers were able to flush water "quite a ways" up into the end. COMT/wish to trim tusk back to beyond hole so that decay and any possible fissures do not develop to cause fracture of the tusk or an infection of the root canal. TUSK TRIM/trimmed back 24 inches of right tusk (in 3 sections) 'til pulp canal area was closed (but not quite normal; has stained rings around site and has ~4mm irregular brown semi-hard tissue in center instead of normal black dental star); trimmed left tusk even with right (19.5 inches off; appears normal for full length) [weight of right tusk removed = 13 lb 9 oz; wt of left tusk removed = 11 lb 6 oz]. Will watch for a little while and consider "capping" end of tusk with dental acrylic if hole appears to widen or deepen again. (Tusks sent to USDI Forensics Lab)
- 12/09/98 Dentists Souviron & Groh out this afternoon to remove ~5" of central core dentin-scar tissue (softened, waxy stuff) in Dahlip's right tusk tip and sealed with calcium hydroxide and epoxy.
- 01/28/99 BLOOD/whole blood drawn in EDTA (~40ml) for DNA study & banking by D.Schmitt (Missouri St. Univ.).
- 07/28/99 PROC/performed trunk swab (after overnight water-withholding) for mycobacterial culture on each of three consecutive mornings (7/26, 7/27, & today) - frozen samples sent to NVSL as per USDA-mandated-protocol, to complete annual TB-testing requirement. COMT/not considered safe procedure on Dahlip to perform trunk-washes, so swabs best alternative available.
- 07/19/00 PROC/collected 40-50ml (60ml saline total placed down into trunk) of "trunk wash" sample (after overnight water withholding) for mycobacterial culture on each of three consecutive mornings (7/17, 7/18, & today) - frozen samples from 7/17 & 18, and partially frozen sample from 7/19 sent overnight to NVSL as per USDA-mandated-protocol (very well-behaved with conditioned trunk-wash procedures now).
- 08/10/00 Behaving well and craving attention: BLOOD/CBC, chem screen, protein electrophoresis; EDTA whole blood for USDI Forensics Lab (DNA specimen); save serum. COMT/looks good, seems happy with his new "pet-turkeys" ... no recent news about getting him an elephant-companion.

MIAMI METROZOO MEDICAL RECORD

DATE OF ACQUISITION OR BIRTH WILDBORN 1966
 ANIMAL ELEPHANT, ASIAN

ACCES.NO. #101 stbk#139 SEX MALE HOUSE NAME DAHLIP

- 10/12/00 Opportunistic blood collection for DNA-banking by CRES (San Diego Zoo). BLOOD/hep'd whole blood (CRES); save serum.
- 11/14/00 BLOOD/collected whole blood in heparin and some serum today for "iron assays" (D.Paglia, UCLA).
- 12/05/00 A new companion for Dahlip has just arrived today! So far he is only mildly interested... and introduction across the moat and bars of the barn ONLY will occur for now (until her potential breeding status & "OK" from the owner is assessed/obtained).
- 02/20/01 Dahlip is in musth... but has "opened" an apparent abscess at the back of his RF foot (heel). OBS/some effort at foot-trimming and exam of the sole on the RF reveals a perforation that appears to connect with the cavity (tract) draining from the heel region. COMT/wound is open to the ground surface and low in the heel just above the sole now... probably caused by a rock or other penetrating foreign body trapped in the poorly trimmed sole... PROC/keepers soaking the foot SID to BID in epsom salts to try to draw out the swelling and infection... COMT/Dahlip quite amenable to the soaking procedure, mildly cooperative about some sole trimming and exam of the wound, but not interested in allowing wound to be flushed or packed today... will have to work on this as he allows each day (since he is in musth, he is not particularly food motivated nor as interested in human interaction).
- 02/23/01 Have been trimming away at Dahlip's front feet as he will allow twice each day. PROC/was able to flush from the sole fistula through the wound out the heel with chlorhexidene and then inject Silvadene cream into the wound twice today (first day he allowed this much). Continue soaking the foot in epsom salts BID through the weekend and recheck next wk.
- 03/01/01 Finished trimming away all loose sole between heel exit wound & sole wound to expose sensitive pad and prevent further rocks, et al from getting trapped in space. Continue BID soaks to better evaluate site daily until regrowth of sole occurs.
- 03/08/01 Sensitive tissue of sole has grown/swollen to fill gap where keratinized sole was trimmed away; no active exudation apparent, not as sensitive as it had been (not lame). Continue to check daily with Epsom salt soaks at least once daily and watch for regrowth of proper sole with time.
- 03/16/01 Has been tender on foot (RF) again for past few days; has now opened another fistula/abscess at heel just above the last one; wouldn't allow exam/exploration today. Return to BID soaks next few days, then try again when less sensitive.
- 03/19/01 Still won't let me mess with the abscess/fistula much; proliferative tissue from under sole has mushroomed through defect previously cut out; still swollen & slightly warm at "new" drain wound in heel.
- 03/22/01 Able to trim some tissue from sole to help "clean it up"; less warm & swollen, but still not willing to let me digitally explore heel wound.

MIAMI METROZOO MEDICAL RECORD

DATE OF
ACQUISITION
OR BIRTH WILDBORN 1966

ANIMAL ELEPHANT, ASIAN

ACCES.NO. #101 stbk#139 SEX MALE HOUSE NAME DAHLIP

- 03/27/01 Better, all swelling more-or-less resolved; not lame; seems to be back on road to healing again. Keepers to check & soak daily for now.
- 06/20/01 PROC/collected 40-50ml (60ml saline total placed down into trunk) of "trunk wash" sample (after overnight water withholding) for mycobacterial culture on each of three consecutive mornings (6/18, 6/19, & today) - frozen samples from 6/18 & 19, and partially frozen sample from 6/20 sent overnight to NVSL as per USDA-mandated-protocol (very well-behaved with conditioned trunk-wash procedures now). BLOOD/CBC, chem screen, save serum (collected 6/19 with trunk-wash routine, for annual check). COMT/foot doing fine now (healed), but in-and-out of musth behavior, so feet are in need of trimming again; no other signs of ill-health, no problems reported.
- 07/02/01 Now appears to have an abscess heading up at the coronary region over his LEFT front, lateral toe; tender to the touch, won't let anyone mess with it today, also heavily in musth right now... Soak foot in epsom salts if possible... try to get a better look in a few days.
- 07/05/01 Site has opened and swelling is markedly decreased ... appears to have a pocket worked around edge of cuticle from interdigital area. PROC/pared away sloughing superficial skin layer, debrided out some sand and flushed clean with H2O2. COMT/should heal on own from here.
- 07/01/02 BLOOD/CBC, chem screen, save serum. COMT/annual check for health screening purposes - keepers report no specific health problems at this time... Dahlip has just recently emerged from musth.
- 07/24/02 PROC/collected 40-50ml (60ml saline total placed down into trunk) of "trunk wash" sample (after overnight or 3-hr water withholding) for mycobacterial culture on each of three consecutive days (7/22, 7/23, & today) - frozen samples from 7/22 & 23, and partially frozen sample from 7/24 sent overnight to NVSL as per USDA-mandated-protocol (very well-behaved with conditioned trunk-wash procedures now).
- 03/12/03 BLOOD/sent banked sample of serum in for West Nile virus serology (survey of elephant collection) - results all negative. - CLM
- 05/13/03 BLOOD/CBC, chem screen, save serum. COMT/in addition to routine weekly collection for hormone assays, blood was collected today for annual check during TB-testing procedures (see below); keepers report no apparent health problems at this time and elephant appears to be in good health and overall condition. - CLM
- 05/14/03 ANNUAL TB TESTING: PROC/collected 40-50ml (60ml saline total placed down into trunk) of "trunk wash" sample (after overnight water withholding) for mycobacterial culture on each of three consecutive mornings (5/12, 5/13, & today) - frozen samples from 5/12 & 13, and partially frozen sample from 5/14 sent overnight to NVSL as per USDA-mandated-protocol (well-behaved for collection routine). - CLM

MIAMI METROZOO MEDICAL RECORD

ANIMAL ELEPHANT, ASIAN DATE OF ACQUISITION OR BIRTH WILDBORN 1966

ACCES.NO. #101 stbk#139 SEX MALE HOUSE NAME DAHLIP

- 07/28/03 Used portable scale & platform to weigh today. WT=12,016 lbs.
- 12/30/03 WT=12,790 lbs.
- 07/09/04 Trying to meet AZA demands that each elephant has baseline foot radiographs on file: borrowed portable xray machine from Dr. Templeton for part of day. XRAY/oblique plantar-dorsal views of each digit (corresponding to toenails) on both hindfeet (8 total) [kvp=52, mas=1.6, except 4th digits -> one view each with kvp=60]. COMT/Dahlip has just finished musth and is just beginning to regain some body condition; well-behaved for today's xrays, but needs some training/refreshment before doing forefeet, so stopped with these for now, will plan to do front feet at another date. All elephants due for tetanus booster. VAX/tetanus toxoid 2.0ml IM (left caudal thigh). - CLM
- 07/13/04 BLOOD/CBC, chem screen, save serum (annual check). - CLM
- 07/14/04 ANNUAL TB TESTING: PROC/collected 40-50ml (60ml saline total placed down into trunk) of "trunk wash" sample (after overnight water withholding) for mycobacterial culture on each of three consecutive mornings (7/12, 7/13, & today) - frozen samples from 7/12 & 13, and partially frozen sample from 7/14 sent overnight to NVSL as per USDA-mandated-protocol (well-behaved for collection routine). - CLM
- 08/07/04 Dr. Dennis Schmitt visiting zoo to perform a reproductive assessment on Dahlip. PROC/ultrasound evaluation per rectum revealed normal secondary sex glands, but empty ampullae; testicle size was a bit smaller than expected for Dahlip's size but very vascular and appeared otherwise normal. An attempt was made to collect a semen sample by producing an erection with rectal massage - able to collect a very dilute sample with some sperm (none motile, and many with heads detached). A written report will be added to Dahlip's record once received. Dr. Schmitt would still like to try in the future to do other collections in the hopes of using Dahlip's semen for AI; keepers to work on further conditioning, especially trying to time this with Nellie's estrus periods to enhance chances of good semen collection. URINALYSIS/opportunistic catch - no abn's. - CLM
- 09/10/04 WT=11,720 lbs. COMT/looking much better after having gained some weight back now that he's been out of musth for a while - has a little ways to go. - CLM
- 09/16/04 Dahlip doing well now in placing front feet through bars at barn so they can be radiographed. XRAY/oblique plantar-dorsal views of each digit (corresponding to toenails) on both front feet (10 toes total) [kvp=50 & 56 (2 films each), mas=1.6, except 1st digits -> one view each with kvp=56]; seems to be missing P3 on the right 5th digit, all else is reasonably bilaterally symmetric. This completes his set of baseline radiographs - no signs of active disease are noted. - CLM
- 10/12/04 WT=12,146 lbs.
- 11/16/04 WT=12,330 lbs.
- 12/16/04 WT=12,180 lbs.

MIAMI METROZOO MEDICAL RECORD

DATE OF ACQUISITION

ANIMAL ELEPHANT, ASIAN OR BIRTH WILDBORN 1966

ACCES.NO. #101 stbk#139 SEX MALE HOUSE NAME DAHLIP

01/26/05 WT=12,890 lbs.

02/01/05 BLOOD/~5ml whole blood in EDTA collected and sent to USDI Forensics Lab (Ashland, OR) per their request for DNA samples of Asian elephants. - CLM.

02/05/05 Keepers report Dahlip has dry skin on the right temporal region with a central "depression" - where skin apparently sloughed. Keepers have been applying Vaseline to dry skin surrounding the lesion, and treating the lesion with betadine sln. OBS/appx 2cm diam area where skin sloughed on right temple area - exposed tissue is not red or raw; surrounding tissue is "stained" with Vaseline ointment. Rec. can keep putting Vaseline on surrounding dry skin. RX/triple antibiotic ointment to put on the lesion itself- however if gets too contaminated with dirt/dust then d/c the ointment. SMM

Clinical Notes - Individual Specimen Report
MIAMI METROZOO

- page 2 -

Scientific Name: *ELEPHAS MAXIMUS (no subsp)*
Common Name: Asiatic elephant
Name: DALIP

Accession #: 101
Male
Birth: 6.Aug.1966

7.Aug.2004

<<< Urinalysis >>>

Laboratory: Miami Metrozoo
 other

Date collected: 8/7/04
Date analysed: 8/7/04

Analysis by: CLM

Sample collection:

floor
 mid-stream
 catheter
 cystocentesis

Sample storage:

room temperature
 refrigerated
 frozen

Color: yellow-gray
Specific Gravity: 1.006
cloudy

Appearance: clear
 hazy / slightly

Leukocytes:

cloudy / turbid

Nitrite:

RBC/hpf:

Urobilinogen: normal

WBC/hpf:

Protein: trace

Bacteria/hpf:

pH: 8.0

Casts/lpf:

Blood: neg

Crystals: TNTC, Ca-oxalate

Ketones: neg

Bilirubin: neg

Glucose: neg

Epithelial cells:

Mucus:

Comments: sediment too heavy with Ca-oxalate to see anything else;
opportunistic, during repro. eval.
(CLM)

Medical History Report - Summary for Individual Specimen
MIAMI METROZOO

- page 1 -

=====
Scientific Name: *ELEPHAS MAXIMUS* (no subsp) Accession #: 101
Common Name: Asiatic elephant Male
Name: DALIP Birth: 6.Aug.1966
=====

.....2000....

- 24.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 22.Mar Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 22.May Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 25.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 10.Aug Blood sample: (EDTA) (9:35.0) Hematology/Chemistry/Serology results.
WBC:9.70 *10³/UL; HCT: 45.0%; BUN:19 MG/DL;
- 26.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 14.Nov Blood sample: Chemistry results.
- 4.Dec Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

.....2001....

- 23.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 20.Mar Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 29.May Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 19.Jun Blood sample: (EDTA) Hematology/Chemistry/Serology results.
WBC:14.50 *10³/UL; HCT: 48.0%; BUN:13 MG/DL;
- 24.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 25.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN
- 28.Nov Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.

Medical History Report - Summary for Individual Specimen
MIAMI METROZOO

- page 2 -

=====
Scientific Name: *ELEPHAS MAXIMUS* (no subsp)

Accession #: 101

Common Name: Asiatic elephant

Male

Name: DALIP

Birth: 6.Aug.1966
=====

.....2001....

28.Nov NO PARASITES SEEN

.....2002....

22.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

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

14.May Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

1.Jul Blood sample: (EDTA) Hematology/Chemistry/Serology results.

WBC:10.60 *10³/UL; HCT: 45.0%; BUN:19 MG/DL;

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

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

20.Nov Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

2.Dec Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

.....2003....

29.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

13.Feb Blood sample:

27.Mar Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN/STRONGYLES

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

13.May Blood sample: Hematology/Chemistry/Serology results.

WBC:7.60 *10³/UL; HCT: 38.0%; BUN:17 MG/DL;

30.May Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

28.Jul

Weight: 5452 Kg (12016 Lb)

Printed on: 3.Mar.2005

/ISIS/MedARKS/5.32a

Medical History Report - Summary for Individual Specimen
MIAMI METROZOO

- page 3 -

=====
Scientific Name: **ELEPHAS MAXIMUS (no subsp)** Accession #: 101
Common Name: **Asiatic elephant** Male
Name: **DALIP** Birth: **6.Aug.1966**
=====

.....2003....

31.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

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

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

30.Dec Weight: 5803 Kg (12790 Lb)

.....2004....

27.Jan Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

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

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

9.Jul Purpose/Problem: booster prophylaxis
Vaccination: TETANUS TOXOID 2.0ml IM
"SuperTet w/havlogen"

Clinical note recorded. (CLM)

13.Jul Blood sample: (EDTA) (10:00.0) Hematology/Chemistry/Serology results.
WBC:8.90 *10³/UL; HCT: 36.0%; BUN:23 MG/DL;
Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

7.Aug Clinical note recorded. (CLM)

10.Sep Weight: 5318 Kg (11721 Lb)
29.Sep Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

12.Oct Weight: 5511 Kg (12146 Lb)

16.Nov Weight: 5594 Kg (12329 Lb)

18.Nov Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NO PARASITES SEEN

16.Dec Weight: 5526 Kg (12179 Lb)

Medical History Report - Summary for Individual Specimen
MIAMI METROZOO

- page 4 -

=====
Scientific Name: **ELEPHAS MAXIMUS (no subsp)**
Common Name: **Asiatic elephant**
Name: **DALIP**

=====
Accession #: 101
Male
Birth: 6.Aug.1966
=====

.....2005...

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

Weight: 5848 Kg (12889 Lb)

Clinical Pathology Report - Specimen Spreadsheet
 MIAMI METROZOO

Scientific Name: **ELEPHAS MAXIMUS (no subsp)**
 Common Name: Asiatic elephant
 Name: DALIP

Accession #: 101
 Male
 Birth: 6.Aug.1966

Date	10.Aug.2000	14.Nov.2000	19.Jun.2001
Time	9:35.0	:	:
Restraint	Manual	Manual	Manual
Health	Normal	Normal	Normal
Fasting	< 8 hours	< 8 hours	< 8 hours
Activity	Active	Active	Active
Hematology laboratory	U OF M		U OF M
Hematology anticoagulant	EDTA		EDTA
Hematology quality problems	none		none
WBC	*10 ³ /UL 9.7		14.5
RBC	*10 ⁶ /UL 3.43		3.47
HGB	GM/DL 14.5		14.2
HCT	% 45		48
SEGS	% (*10 ³ /UL) 53 (5.141)		41 (5.945)
LYMPHOCYTES	% (*10 ³ /UL) 42 (4.074)		31 (4.495)
MONOCYTES	% (*10 ³ /UL) 5 (0.485)		2 (0.290)
EOSINOPHILS	% (*10 ³ /UL) 0		26* (3.770)
BASOPHILS	% (*10 ³ /UL) 0	0	
Chemistry laboratory	U OF M	PAGLIA	U OF M
Chemistry sample:	Serum	Serum	Serum
Chemistry quality problems	none	none	none
ALBUMIN (E)			
GLUCOSE	MG/DL 77		82
BUN	MG/DL 19		13
CREAT.	MG/DL 2.2		3.2
URIC ACID	MG/DL 0.2		0.2
CA	MG/DL 10.7		11.0
PHOS	MG/DL 5.4		4.5
NA	MEQ/L 137		143
K	MEQ/L 4.9		4.7
CL	MEQ/L 88		94
IRON	MCG/DL	64	
CHOL	MG/DL 52		45
TRIG	MG/DL 47		74
T.PROT. (C)	GM/DL 8.3		9.6
ALBUMIN (C)	GM/DL 3.3		3.7
GLOBULIN (C)	GM/DL 5.0		5.9
AST (SGOT)	IU/L 24		35
ALT (SGPT)	IU/L 15		23
T. BILI.	MG/DL 0.4		0.4
D. BILI	MG/DL 0.2		0.3

Clinical Pathology Report - Specimen Spreadsheet
MIAMI METROZOO

=====
Scientific Name: **ELEPHAS MAXIMUS (no subsp)** Accession #: 101
Common Name: **Asiatic elephant** Male
Name: **DALIP** Birth: **6.Aug.1966**
=====

AMYLASE	U/L	1128	1300
ALK.PHOS.	IU/L	81	159
LDH	IU/L	1331	1780
CPK	IU/L	204	166
CO2	MMOL/L	26	26
GGT	IU/L	26	47
FE SATURATN.		28.6	

Clinical Pathology Report - Specimen Spreadsheet
 MIAMI METROZOO

```

=====
Scientific Name: ELEPHAS MAXIMUS (no subsp)           Accession #: 101
Common Name: Asiatic elephant                       Male
Name: DALIP                                           Birth: 6.Aug.1966
=====
    
```

Date	1.Jul.2002	13.Feb.2003	13.May.2003
Time	:	:	:
Restraint	Manual	Manual	Manual
Health	Normal	Normal	Normal
Fasting	< 8 hours	< 8 hours	< 8 hours
Activity	Active	Active	Active
Hematology laboratory	U OF M		U OF MIAMI
Hematology anticoagulant	EDTA		
Hematology quality problems	none		none
WBC	*10 ³ /UL 10.6		7.6
RBC	*10 ⁶ /UL 3.17		2.95
HGB	GM/DL 13.5		12.3
HCT	% 45		38
SEGS	% (*10 ³ /UL) 21 (2.226)		39 (2.964)
LYMPHOCYTES	% (*10 ³ /UL) 75 (7.950)		48 (3.648)
MONOCYTES	% (*10 ³ /UL) 3 (0.318)		11 (0.836)
EOSINOPHILS	% (*10 ³ /UL) 1 (0.106)		2 (0.152)
BASOPHILS	% (*10 ³ /UL) 0		
NRBC	/100 WBC		0
PLATE. EST.			ADEQ
ANISOCYTOSIS			SLT
TARGET CELLS			SLT
Chemistry laboratory	U OF M	CORNELL DX'C L	U OF MIAMI
Chemistry sample:	Serum	Serum	Serum
Chemistry quality problems	none	none	none
ALBUMIN (E)			
GLUCOSE	MG/DL 77		76
BUN	MG/DL 19		17
CREAT.	MG/DL 2.4		2.4
URIC ACID	MG/DL <0.2		<0.2
CA	MG/DL 10.1		10.4
PHOS	MG/DL 5.1		4.7
NA	MEQ/L 132		128
K	MEQ/L 4.8		4.9
CL	MEQ/L 86		84
CHOL	MG/DL 53		62
TRIG	MG/DL 26		19
T.PROT. (C)	GM/DL 8.6		7.8
ALBUMIN (C)	GM/DL 3.6		3.0
GLOBULIN (C)	GM/DL 5.0		4.8
AST (SGOT)	IU/L 22		21

Clinical Pathology Report - Specimen Spreadsheet
MIAMI METROZOO

=====
Scientific Name: **ELEPHAS MAXIMUS (no subsp)** Accession #: 101
Common Name: **Asiatic elephant** Male
Name: **DALIP** Birth: **6.Aug.1966**
=====

ALT (SGPT)	IU/L	15	18
T. BILI.	MG/DL	0.2	0.1
D. BILI	MG/DL	0.1	0.0
AMYLASE	U/L	898	817
ALK. PHOS.	IU/L	96	78
LDH	IU/L	1305	1205
CPK	IU/L	180	125
CO2	MMOL/L	28	25
GGT	IU/L	37	24
WNV AB			NEG

Clinical Pathology Report - Specimen Spreadsheet
MIAMI METROZOO

```

=====
Scientific Name: ELEPHAS MAXIMUS (no subsp)           Accession #: 101
Common Name: Asiatic elephant                           Male
Name: DALIP                                             Birth: 6.Aug.1966
=====

```

```

Date           13.Jul.2004
Time           10:00.0
Restraint      Manual
Health         Normal
Fasting        8-24 hours
Activity       Active
Hematology laboratory      U OF MIAMI
Hematology anticoagulant   EDTA
Hematology quality problems none

```

```

WBC           *10^3/UL           8.9
RBC           *10^6/UL           2.60
HGB           GM/DL              11.7
HCT           %                   36
SEGS         % (*10^3/UL)       33 (2.937)
LYMPHOCYTES % (*10^3/UL)       55 (4.895)
MONOCYTES    % (*10^3/UL)       10 (0.890)
EOSINOPHILS % (*10^3/UL)        2 (0.178)
BASOPHILS   % (*10^3/UL)       0

```

```

Chemistry laboratory      U OF MIAMI
Chemistry sample:        Serum
Chemistry quality problems none

```

```

ALBUMIN (E)
GLUCOSE       MG/DL              75
BUN           MG/DL              23
CREAT.        MG/DL              2.1
URIC ACID     MG/DL              <0.2
CA            MG/DL              10.2
PHOS          MG/DL              4.9
NA            MEQ/L              136
K             MEQ/L              4.5
CL            MEQ/L              86
CHOL          MG/DL              61
TRIG          MG/DL              25
T.PROT. (C)   GM/DL              8.0
ALBUMIN (C)   GM/DL              3.2
GLOBULIN (C)  GM/DL              4.8
AST (SGOT)    IU/L              36
ALT (SGPT)    IU/L              16
T. BILI.      MG/DL              <0.1
D. BILI       MG/DL              0.0
AMYLASE       U/L              757

```

Clinical Pathology Report - Specimen Spreadsheet
MIAMI METROZOO

=====
Scientific Name: *ELEPHAS MAXIMUS* (no subsp)
Common Name: Asiatic elephant
Name: DALIP
=====

Accession #: 101
Male
Birth: 6.Aug.1966
=====

ALK.PHOS.	IU/L	63
LDH	IU/L	1300
CPK	IU/L	134
CO2	MMOL/L	26
GGT	IU/L	25