

Accession #: 1237

Date: 09/08/07  
d d m m y y

Health Status:  
1.  Normal  
2.  Abnormal

Fasting Time:  
1.  < 8 hours  
2.  8-24 hours  
3.  24-48 hours  
4.  > 48 hours

Activity:  
1.  calm  
2.  active  
3.  excited

Physical Status:  
1.  Class I  
2.  Class II  
3.  Class III  
4.  Class IV  
5.  Class V

Immobilizing Conditions:  
1.  Free ranging  
2.  Large enclosure  
3.  Small enclosure  
4.  Squeeze cage  
5.  Manual restraint for drug administration

1.  Isolated  
2.  in group

Anesthesia Record

Species: Loxodonta africana

Common name: African Elephant

Sex: 0.1 Birth date/Age: ~'88 ~49yrs

House name: Tazzy

ID: 1237

Comments: standing shoulder for blood draw & IV's

Environmental Temp: \_\_\_\_\_ 1.  °C 2.  °F %Humidity: \_\_\_\_\_

Demeanor:  
1.  depressed  
2.  alert  
3.  aggressive  
4.  apprehensive

Body Condition:  
1.  obese/fat  
2.  good  
3.  fair/thin  
4.  poor/emaciated

Dose	Drug Given	Amount mg/%	Route	Time Given	Delivery Success	Effect	Time of Effect	Bottle #	# ml	Concentration mg/ml
I	Detomidine	80	N M	3:50	C	0			5.0	10.0
I	Butorphanol	50	N M	3:52	C	0			5.0	10.0
I	Detomidine	24	N M	4:19	Ø	0			2.4	10.0
I	Butorphanol	24	N M	4:19	Ø	0			2.4	10.0
I	Detomidine	30	N M	4:20	C	1	4:40		3.0	10.0
I	Butorphanol	30	N M	4:20	C	1	4:40		3.0	10.0
I	Detomidine	30	N M	4:43	C	2	4:55		3.0	10.0
I	Butorphanol	30	N M	4:43	C	2	4:55		3.0	10.0
										10.0

Time of Initial Effect: 4:33

Time of Recumbency: \_\_\_\_\_

Estimated Weight: \_\_\_\_\_  
1.  kg  
9000 2.  lb  
3.  gm

Revised Est. Weight: \_\_\_\_\_  
1.  kg  
2.  lb  
3.  gm

Actual Weight: 10,100 1.  kg  
2.  lb  
3.  gm

Complications:  
1.  None  
2.  Minor  
3.  Major non-sedation  
4.  Fatal

Recovery 1.  Normal 2.  Abnormal \_\_\_\_\_ 3.  Prolonged 4.  Stormy 5.  Resuscitated

Anesthesia Rating:  
Excellent Good Fair Poor  
Induction 1.  2.  3.  4.   
Relaxation 1.  2.  3.  4.   
Overall: 1.  2.  3.  4.

Endotracheal Tube: \_\_\_\_\_ mm

Recovery Data:  
Time: \_\_\_\_\_ Effect \_\_\_\_\_  
Time: \_\_\_\_\_ Effect \_\_\_\_\_

Veterinarian: C A H

Recorded by: T C H

Physical Status:  
1 = normal health  
2 = mild disease  
3 = severe disease  
4 = chronic severe disease  
5 = may not survive anesthesia

Routes: Polesyringe  
Blowdart  
Metal Dart  
Non-metal Dart  
Oral  
Facemask  
Chamber  
Endotracheal tube  
Venous catheter

Doses: Pre-anesthetic  
Immobilizing  
Supplemental  
Maintenance  
Antagonist  
Other

Effect: 0 = no effect/ full recovery  
1 = mild sedation  
2 = heavy sedation  
3 = light anesthesia  
4 = surgical anesthesia  
5 = excessively deep

Success: Complete  
Partial  
None



# Texas Veterinary Medical Diagnostic Laboratory System



P.O. Drawer 3040  
College Station, TX 77841  
Telephone: 979-845-3414

Invoice Number: C07-043624  
Date: 3/30/07

Billed to: Account ID# 13826  
Abilene Zoological Gardens  
2070 ZOO LANE  
Abilene, TX 79602

Re: Accession# C070880690  
Owner: Tanzy, 1237

<u>Test Description</u>	<u>Quantity</u>	<u>Price</u>	<u>Bulk Discount</u>	<u>Extension</u>
Chem panel (Equine)	1	12.00		12.00
Fax Charges	1	1.00		1.00
Phone Charges	1	1.00		1.00
Complete Blood Count (Mammalian)	1	10.00		10.00
Shipping				0.00
Container Return(LS)				0.00
		<b>TOTAL</b>	<b>\$</b>	<b>24.00</b>

Jeff  
Doug  
Dr. Hilton  
Tascha



**LABORATORY TEST STATUS:**

Ordered    Current Status

Chem panel (Equine) (C)	3/29/07	Completed 3/30/07
Complete Blood Count (Mammalian) (C)	3/29/07	Completed 3/30/07

**Clinical Pathology**

Completed: 3/30/07

Test: Chem panel (Equine)

Animal ID: Tanzy

Test	Results	Reference Range	Relative Result Indication		
			Low	Normal	High
Total Serum Protein	8.3	g/dl			
Albumin	3.3	g/dl			
Calcium, serum	10.9	mg/dl			
Phosphorus, serum	4.15	mg/dl			
Glucose	73	mg/dl			
BUN	7.9	mg/dl			
Creatinine	1.51	mg/dl			
Total bilirubin	0.10	mg/dl			
Direct bilirubin	0.05	mg/dl			
ALP	43	U/l			
CK	258	U/l			
AST (SGOT)	13	U/l			
Globulins	5.0	g/dl			
A/G Ratio	0.66				
GGT	9	U/l			

**Comment**

\*\*\*NOTE\*\*\*

Species was not given on submittal form; called clinic to obtain that information; per submitter, species is exotic (elephant) named "Tanzy".

/bw

S. L. Lovering, DVM

sl/vs

Completed: 3/30/07

Animal ID: Tanzy

Complete Blood Count (Mammalian)

Total WBC's                      7,200

/ul

<b>Differential/%</b>		
Neutrophils	31	%
Lymphocytes	37	%
Monocytes	29	%
Eosinophils	3	%
<b>Absolute/ul</b>		
Neutrophils	2232	/ul
Lymphocytes	2664	/ul
Monocytes	2088	/ul
Eosinophils	216	/ul
Red blood cells	2.79	X10e6/ul
Hemoglobin, blood	12.0	g/dl
PCV	35.4	0%
MCV	126.9	f
MCH	43.0	pg
MCHC	33.9	g/dl
Platelet estimate	1890	X10e3/ul
Platelet comment	Estimate	
Plasma protein	8.5	5.6-6.7 g/dl
Fibrinogen	400	0 mg/dl

**RBC Morphology**  
Normal

**WBC Morphology**  
Normal

**Hemoparasites**  
None seen

**Comments:**  
/bw

S. L. Lovering, DVM  
sl/vs

### Veterinary Bulletin:

#### FEED TESTING:

TVMDL will no longer offer feed nutrient analysis testing (routine feed analysis testing). If you need assistance in finding a laboratory for feed nutrient analysis, please contact the Amarillo laboratory (Dr. Haliburton) at 888-646-5624 or the College Station laboratory (Dr. Reagor) at 888-646-5623.

### Bovine Viral Diarrhea Testing

Ear notch specimens sent for BVD testing must have the type of test requested listed in the "Test Requested" section of the TVMDL submission form. Currently TVMDL runs an Immunohistochemistry (IHC) test on formalin fixed tissue which is still considered the "gold standard" and we also offer an ELISA based test which is run on fresh tissue submitted as an ear notch. Please make sure you list the specific test request as either BVD-IHC or BVD-ELISA. If that information is not provided we will attempt to call you. However, in the event we are unable to clarify your test request, we will provide the IHC test.

### Error Free Submission Data on Export Cases and Blood Draw Date Requirements:

We have been advised that foreign countries are applying increasing pressure on USDA to have no errors or

conflicting data in documents submitted with animals for export. This requirement also applies to providing "blood draw dates" on all testing required for export. Please make sure you review for accuracy all submission forms and supporting documents submitted for testing on export cases. A single error, conflicting information, or data omission can cause your client to literally "miss the boat".



# Texas Veterinary Medical Diagnostic Laboratory System



## Preliminary Report

P.O. Drawer 3640, College Station, TX 77841-3640  
Phone: (979)845-3414 Fax: (979)845-1794 <http://tvmdlweb.tamu.edu/>

(325)676-6085

Owner's Name:  
1237 Tanzy

Veterinarian/Submitter: Account ID#: 13826  
Abilene Zoological Gardens  
2070 ZOO LANE  
Abilene, TX 79602

Date specimens received: 3/29/07

Preliminary reports: Fax 3/29/07  
Phone reports: Fax 3/29/07 3/29/07 C  
Final report:

Species: Exotic                      Age: 49.00 Years                      Animal ID: Tanzy  
Breed:                                      Weight:                                      Sex: Female

Tests Requested: CBC, Chemistries with Fibrinogen

Specimens Submitted: Serum, Whole Blood, Slide

Clinical History: Sample from 4th week after breaking tusk off. Fax results. Avg

Clinical Diagnosis:

Previous Cases:  
Treatment:

Conclusion/Interpretation of Lab Findings:

Jeff  
Doug  
Dr. Hilton  
Jascha

**LABORATORY TEST STATUS:**

Ordered    Current Status

Chem panel (Equine) (C)	3/29/07	Partial
Complete Blood Count (Mammalian) (C)	3/29/07	Partial

**Clinical Pathology**

Completed:

Test: Chem panel (Equine)

Animal ID: Tanzy

**Relative Result Indication**

Test	Results	Reference Range	Relative Result Indication		
			Low	Normal	High
Total Serum Protein	8.3	g/dl			
Albumin	3.3	g/dl			
Calcium, serum	10.9	mg/dl			
Phosphorus, serum	4.15	mg/dl			
Glucose	73	mg/dl			
BUN	7.9	mg/dl			
Creatinine	1.51	mg/dl			
Total bilirubin	0.10	mg/dl			
Direct bilirubin	0.05	mg/dl			
ALP	43	U/l			
CK	258	U/l			
AST (SGOT)	13	U/l			
Globulins	5.0	g/dl			
A/G Ratio	0.66				
GGT	9	U/l			

**Comment**

\*\*\*NOTE\*\*\*

Species was not given on submittal form; called clinic to obtain that information; per submitter, species is exotic (elephant) named "Tanzy".

/bw

Completed:

Animal ID: Tanzy

Complete Blood Count (Mammalian)

Total WBC's	7,200	/ul
Differential%		

Neutrophils	31	%
Lymphocytes	37	%
Monocytes	29	%
Eosinophils	3	%
<b>Absolute/ul</b>		
Neutrophils	2232	/ul
Lymphocytes	2664	/ul
Monocytes	2088	/ul
Eosinophils	216	/ul
Red blood cells	2.79	X10 <sup>6</sup> /ul
Hemoglobin, blood	12.0	g/dl
PCV	35.4	0%
MCV	126.9	f
MCH	43.0	pg
MCHC	33.9	g/dl
Platelet estimate	1890	X10 <sup>3</sup> /ul
Platelet comment	Estimate	
Plasma protein	8.5	5.6-6.7 g/dl
Fibrinogen	400	0 mg/dl



RBC Morphology  
Normal

WBC Morphology  
Normal

Hemoparasites  
None seen

Comments:  
/bw

### Veterinary Bulletin:

### FEED TESTING:

TVMDL will no longer offer feed nutrient analysis testing (routine feed analysis testing). If you need assistance in finding a laboratory for feed nutrient analysis, please contact the Amarillo laboratory (Dr. Haliburton) at 888-646-5624 or the College Station laboratory (Dr. Reagor) at 888-646-5623.

### Bovine Viral Diarrhea Testing

Ear notch specimens sent for BVD testing must have the type of test requested listed in the "Test Requested" section of the TVMDL submission form. Currently TVMDL runs an Immunohistochemistry (IHC) test on formalin fixed tissue which is still considered the "gold standard" and we also offer an ELISA based test which is run on fresh tissue submitted as an ear notch. Please make sure you list the specific test request as either BVD-IHC or BVD-ELISA. If that information is not provided we will attempt to call you. However, in the event we are unable to clarify your test request, we will provide the IHC test.

### Error Free Submission Data on Export Cases and Blood Draw Date Requirements:

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forms and supporting documents submitted for testing on export cases. A single error, conflicting information, or data omission can cause your client to literally "miss the boat".



# Texas Veterinary Medical Diagnostic Laboratory System



## Preliminary Report

P.O. Drawer 3040, College Station, TX 77841-3040  
Phone: (979)845-3414 Fax: (979)845-1794 <http://tvmdlweb.tamu.edu/>

(325)676-6085

Owner's Name:  
'Tanzy' Elephant

Veterinarian/Submitter: Account ID#: 13826  
Abilene Zoological Gardens  
2070 ZOO LANE  
Abilene, TX 79602

Date specimens received: 3/21/07

Preliminary reports: Fax 3/21/07

Phone reports:

Final report:

Species: Exotic  
Breed: Elephant

Age: 49.00 Years  
Weight:

Animal ID: Tanzy  
Sex: Female

Tests Requested: CBC, Chemistries

Specimens Submitted: Whole blood, serum, slides

Clinical History: Third week since she broke tusk off. Fax results. /wg

Clinical Diagnosis:

Previous Cases:

Treatment:

Conclusion/Interpretation of Lab Findings:

*Jeff*  
*Doug*  
*D. K. H.*  
*Jascha*

**LABORATORY TEST STATUS:****Ordered    Current Status**

Chem panel (Equine) (C)                    3/21/07    Partial  
 Complete Blood Count (Mammalian) (C)    3/21/07    Partial

**🔍 Clinical Pathology****Completed:****Test:** Chem panel (Equine)**Animal ID:** Tanzy

Test	Results	Reference Range	Relative Result Indication		
			Low	Normal	High
Total Serum Protein	7.9	g/dl			
Albumin	3.2	0 g/dl			
Calcium, serum	10.7	0 mg/dl			
Phosphorus, serum	5.18	0 mg/dl			
Glucose	73	0 mg/dl			
BUN	7.4	0 mg/dl			
Creatinine	1.43	0 mg/dl			
Total bilirubin	<0.1	mg/dl			
Direct bilirubin	0.03	mg/dl			
ALP	44	0 U/l			
CK	240	0 U/l			
AST (SGOT)	14	0 U/l			
Globulins	4.7	0 g/dl			
A/G Ratio	0.68				
GGT	6	0 U/l			

**Comment**

/bw

**Completed:****Animal ID:** Tanzy**Complete Blood Count (Mammalian)**

Total WBC's	7,900	/ul
Differential/%		
Neutrophils	29	%
Lymphocytes	23	%
Monocytes	46	%
Eosinophils	2	%
Absolute/ul		
Neutrophils	2291	/ul



# Texas Veterinary Medical Diagnostic Laboratory System



P.O. Drawer 3040  
College Station, TX 77841  
Telephone: 979-845-3414

Invoice Number: C07-039395  
Date: 3/22/07

Billed to: Account ID# 13826  
Abilene Zoological Gardens  
2070 ZOO LANE  
Abilene, TX 79602

Re: Accession# C070800601  
Owner: Elephant, 'Tanzy'

<u>Test Description</u>	<u>Quantity</u>	<u>Price</u>	<u>Bulk Discount</u>	<u>Extension</u>
Chem panel (Equine)	1	12.00		12.00
Fax Charges	1	1.00		1.00
Complete Blood Count (Mammalian)	1	10.00		10.00
Shipping				10.00
Container Return(LS)				0.00
		<b>TOTAL</b>	<b>\$</b>	<b>33.00</b>

*Jeff  
Doug  
Dr. Factor  
Jaseha*



# Texas Veterinary Medical Diagnostic Laboratory System



## Final Report

P.O. Drawer 3040, College Station, TX 77841-3040  
Phone: (979)845-3414 Fax: (979)845-1794 <http://tvmndlweb.tamu.edu/>

(325)676-6085

Owner's Name:  
'Tanzy' Elephant

Veterinarian/Submitter: Account ID#: 13826  
Abilene Zoological Gardens  
2070 ZOO LANE  
Abilene, TX 79602

Date specimens received: 3/21/07

Preliminary reports: Fax 3/21/07

Phone reports:

Final report: Fax 3/22/07

Species: Exotic	Age: 49.00 Years	Animal ID: Tanzy
Breed: Elephant	Weight:	Sex: Female

Tests Requested: CBC, Chemistries

Specimens Submitted: Whole blood, serum, slides

Clinical History: Third week since she broke tusk off. Fax results. /wg

Clinical Diagnosis:

Previous Cases:

Treatment:

### Conclusion/Interpretation of Lab Findings:

Laboratory results as listed. J. A. Akins, DVM/vs

**LABORATORY TEST STATUS:**

	Ordered	Current Status
Chem panel (Equine) (C)	3/21/07	Completed 3/22/07
Complete Blood Count (Mammalian) (C)	3/21/07	Completed 3/22/07

**Clinical Pathology**

Completed: 3/22/07

Test: Chem panel (Equine)

Animal ID: Tanzy

Test	Results	Reference Range	Relative Result Indication		
			Low	Normal	High
Total Serum Protein	7.9	g/dl			
Albumin	3.2	0 g/dl			
Calcium, serum	10.7	0 mg/dl			
Phosphorus, serum	5.18	0 mg/dl			
Glucose	73	0 mg/dl			
BUN	7.4	0 mg/dl			
Creatinine	1.43	0 mg/dl			
Total bilirubin	<0.1	mg/dl			
Direct bilirubin	0.03	mg/dl			
ALP	44	0 U/l			
CK	240	0 U/l			
AST (SGOT)	14	0 U/l			
Globulins	4.7	0 g/dl			
A/G Ratio	0.68				
GGT	6	0 U/l			

**Comment**

fbw

J. A. Akins, DVM

ja/vs

Completed: 3/22/07

Animal ID: Tanzy

Complete Blood Count (Mammalian)

Total WBC's	7,900	/ul
Differential/%		
Neutrophils	29	%
Lymphocytes	23	%
Monocytes	46	%

Eosinophils	2	%
Absolute/ul		
Neutrophils	2291	/ul
Lymphocytes	1817	/ul
Monocytes	3634	/ul
Eosinophils	158	/ul
Red blood cells	2.71	X10 <sup>6</sup> /ul
Hemoglobin, blood	11.5	g/dl
PCV	34.7	0%
MCV	128.0	fl
MCH	42.4	pg
MCHC	33.1	g/dl
Platelet estimate	290	X10 <sup>3</sup> /ul
Platelet comment	Estimate	
Plasma protein	8.3	g/dl
Fibrinogen	400	mg/dl

**RBC Morphology**

Normal

**WBC Morphology**

Normal

**Hemoparasites**

None seen

**Comments:**

/bw

ja/ys

J. A. Akins, DVM

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