



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

**Procedure**

TRUNK WASH, TRUNK WASH CULTURES (USDA NVS LABORATORY)

**Onset Date**

01/13/2015 00:00

**Responsible Clinician**

Lizzy Arnett-Chinn

**Resolution Date**

01/13/2015 00:00

**Notes/Comments**

Day 1 of 3

**Sample**

Sample Detail

**Collection Date/Time** 01/13/2015 00:00  
**Sample Type** Wash/Lavage Fluid  
**Anatomical Source/Tissue** TRUNK  
**Collection Method** Wash/lavage  
**Collected By** Lizzy Arnett-Chinn  
**Reason** Routine  
**Exclude from reference intervals** No

Sample Quality

**Color** ~  
**Color Intensity** ~

Initial Holding Conditions

**Initial Holding Temp.** ~  
**Initial Holding Duration** ~

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
01/13/2015	~/S-PGW15-002130	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Test Request Detail		Sample Quality	
<b>Date Requested</b>	01/14/2015	<b>Color</b>	Yellow
<b>Requested By</b>	Lizzy Amett-Chinn	<b>Color Intensity</b>	medium
<b>Laboratory</b>	CORNELLAB	<b>Clarity</b>	Turbid/Cloudy
<b>Analysis Start Date</b>	01/15/2015	<b>Consistency</b>	~
<b>Analysis Equipment</b>	~	<b>Additional Characteristics</b>	~
<b>Insufficient Sample</b>	No	<b>Degraded</b>	No

Notes/Comments  
~

Test Requests & Test Results							
Test	Primary Result	Secondary Result	Low RI	High RI	Evaluation	Excl. from RI	Reviewed
Specific Gravity	1.019 ratio	~	~	~	~	~	Yes
pH [rs]	8 pH	~	~	~	~	~	Yes
Protein	0 mg/dL	~	~	~	~	~	Yes
Urine Glucose [rs]	Negative	~	~	~	~	~	Yes
Urine Ketone [rs]	Negative	~	~	~	~	~	Yes
Urine Bilirubin [rs]	Negative	~	~	~	~	~	Yes
Urine Blood [rs]	Negative	~	~	~	~	~	Yes
Sediment WBC	Negative [none]	~	~	~	~	~	Yes
Sediment RBC	Negative [none]	~	~	~	~	~	Yes
Sediment bacteria	Negative [none]	~	~	~	~	~	Yes
Sediment Renal Epi.	Negative [none]	~	~	~	~	~	Yes
Amorphous debris	None seen	~	~	~	~	~	Yes
Epithelial Casts	Negative [none]	~	~	~	~	~	Yes
CaCO3 Crystals	Many	~	~	~	~	~	Yes

Sample Detail (GSN: S-PGW15-002134)			
<b>Collection Date/Time</b>	01/14/2015 00:00	<b>Collection Method</b>	Free Catch
<b>Sample Type</b>	Urine	<b>Collected By</b>	Karen Veary-Santos
<b>Anatomical Source/Tissue</b>	~	<b>Reason</b>	Routine
<b>Additives/Preservatives</b>	~	<b>Exclude from reference intervals</b>	No

01/13/2015

Diagnoses & Procedure



<b>Animal Type</b>	GAN	<b>Local ID</b>		<b>Taxonomy</b>		<b>Sex</b>		<b>Birth Date</b>	
Individual	MIG12-29545888	5		Elephas maximus/Asian elephant		Female		10/29/1958	

Test Requests & Test Results

Test	Primary Result	Secondary Result	Low RI	High RI	Evaluation	Excl'd. from RI	Reviewed
Na	131 mEq/L	~	123	141	~	No	Yes
K	4.3 mEq/L	~	3.8	5.8	~	No	Yes
Cl [a]	87 mEq/L	~	83	100	~	No	Yes
Total CO2 [a]	28 mEq/L	~	18.5	31.1	~	No	Yes
Anion Gap	20 mEq/L	~	~	~	~	~	Yes
BUN	7 mg/dL	~	6.0	20.0	~	No	Yes
Creat [a]	1.4 mg/dL	~	0.8	2.3	~	No	Yes
Ca [a]	10.6 mg/dL	~	9.2	12.0	~	No	Yes
Phos	3.0 mg/dL	~	3.1	7.4	Low	No	Yes
Mg	2.0 mEq/L	~	~	~	~	No	Yes
Total Protein	9.0 g/dL	~	6.5	9.6	~	No	Yes
Albumin	3.3 g/dL	~	2.3	4.2	~	No	Yes
Globulin	5.7 g/dL	~	3.0	6.5	~	No	Yes
A:G ratio	0.6 ratio	~	~	~	~	No	Yes
Glucose	86 mg/dL	~	51	131	~	No	Yes
AST [a]	12 U/L	~	6	38	~	No	Yes
SDH	2 U/L	~	~	~	~	No	Yes
GLDH	2 U/L	~	~	~	~	No	Yes
GGT [a]	3 U/L	~	1	15	~	No	Yes
Tot. Bili.	0.0 mg/dL	~	0.1	0.6	Low	No	Yes
Dir. Bili. [a]	0.0 mg/dL	~	0.0	0.3	~	No	Yes
Indir. Bili.	0.0 mg/dL	~	0.0	0.4	~	No	Yes
CK [a]	162 U/L	~	53	461	~	No	Yes
Iron	67 µg/dL	~	26	110	~	No	Yes
TIBC	242 µg/dL	~	~	~	~	~	Yes
Iron Sat.	28 %	~	~	~	~	~	Yes
Total Protein (R)	8.9 g/dL	~	6.5	9.6	~	No	Yes

Sample Detail (GSN: S-PGW15-002132)

<b>Collection Date/Time</b>	01/14/2015 00:00	<b>Collection Method</b>	Phlebotomy
<b>Sample Type</b>	Serum	<b>Collected By</b>	Leslie Schutte
<b>Anatomical Source/Tissue</b>	PINNA (LEFT)	<b>Reason</b>	Routine
<b>Additives/Preservatives</b>	~	<b>Exclude from reference intervals</b>	No

Test & Result

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Notes/Comments  
Plasma appearance - normal; WBC exam - NSF; RBC morphology - Moderate rouleaux formation

Test Requests & Test Results

Test	Primary Result	Secondary Result	Low RI	High RI	Evaluation	Excl. from RI	Reviewed
HCT [a]	35 %	~	25.6	47.9	~	No	Yes
HGB [a]	12.1 g/dL	~	8.7	16.5	~	No	Yes
RBC [a]	2.7 *10 <sup>6</sup> cells/ $\mu$ L	~	2.15	3.98	~	No	Yes
MCV	126 fL	~	94.8	143.9	~	No	Yes
MCH [a]	44 pg	~	31	50	~	No	Yes
MCHC	35 g/dL	~	28.0	40.1	~	No	Yes
RDW [a]	15.6 %	~	~	~	~	~	Yes
Indirect WBC [m]	13.5 *10 <sup>3</sup> cells/ $\mu$ L	~	7.08	19.87	~	No	Yes
Neutrophil count [a]	3.9 *10 <sup>3</sup> cells/ $\mu$ L	~	0.95	8.77	~	No	Yes
Band count [a]	0.0 *10 <sup>3</sup> cells/ $\mu$ L	~	0.03	0.11	Low	No	Yes
Lymphocyte count [a]	1.7 *10 <sup>3</sup> cells/ $\mu$ L	~	0.38	10.31	~	No	Yes
Monocyte count [a]	7.0 *10 <sup>3</sup> cells/ $\mu$ L	~	0.000	9.227	~	No	Yes
Eosinophil count [a]	0.8 *10 <sup>3</sup> cells/ $\mu$ L	~	0.000	0.830	~	No	Yes
Basophil count [a]	0.0 *10 <sup>3</sup> cells/ $\mu$ L	~	0.000	0.135	~	No	Yes
Est. Platelets	Adequate	~	~	~	~	~	Yes
Blood parasites	none seen	~	~	~	~	~	Yes

Sample Detail (GSN: S-PGW15-002133)

<b>Collection Date/Time</b>	01/14/2015 00:00	<b>Collection Method</b>	Phlebotomy
<b>Sample Type</b>	Whole Blood	<b>Collected By</b>	Leslie Schutte
<b>Anatomical Source/Tissue</b>	PINNA (LEFT)	<b>Reason</b>	Routine
<b>Additives/Preservatives</b>	EDTA, Potassium	<b>Exclude from reference intervals</b>	No

Test & Result

Test Request Detail	Sample Quality
<b>Date Requested</b>	01/14/2015
<b>Requested By</b>	Lizzy Amett-Chinn
<b>Laboratory</b>	CORNELLAB
<b>Analysis Start Date</b>	01/15/2015
<b>Analysis Equipment</b>	~
<b>Insufficient Sample</b>	No
<b>Color</b>	~
<b>Color Intensity</b>	~
<b>Clarity</b>	~
<b>Consistency</b>	~
<b>Additional Characteristics</b>	~
<b>Degraded</b>	No

Notes/Comments  
Lipemia 9; hemolysis 0; icterus 0

<b>Animal Type</b>	GAN	<b>Local ID</b>	<b>Taxonomy</b>	<b>Sex</b>	<b>Birth Date</b>
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

<b>Test Request Detail</b> <b>Date Requested</b> 01/14/2015 <b>Requested By</b> Lizzy Arnett-Chinn <b>Laboratory</b> CORNELLAB <b>Analysis Start Date</b> 01/15/2015 <b>Analysis Equipment</b> ~ <b>Insufficient Sample</b> No		<b>Sample Quality</b> <b>Color</b> ~ <b>Color Intensity</b> ~ <b>Clarity</b> ~ <b>Consistency</b> ~ <b>Additional Characteristics</b> ~ <b>Degraded</b> No	
--	--	--	--

**Notes/Comments**  
Received results on 1/21/15, ug/dL

Test	Primary Result	Secondary Result	Low RI	High RI	Evaluation	Excl'd. from RI	Reviewed
Vit. E HPLC	45 ~	~	~	~	~	~	~

Sample Detail (GSN: S-PGW15-002148)

<b>Collection Date/Time</b>	01/14/2015 00:00	<b>Collection Method</b>	Phlebotomy
<b>Sample Type</b>	Serum	<b>Collected By</b>	Leslie Schutte
<b>Anatomical Source/Tissue</b>	PINNA (LEFT)	<b>Reason</b>	Routine
<b>Additives/Preservatives</b>	~	<b>Exclude from reference intervals</b>	No

**Test & Result**

<b>Test Request Detail</b> <b>Date Requested</b> 01/14/2015 <b>Requested By</b> Lizzy Arnett-Chinn <b>Laboratory</b> CORNELLAB <b>Analysis Start Date</b> 01/15/2015 <b>Analysis Equipment</b> ~ <b>Insufficient Sample</b> No		<b>Sample Quality</b> <b>Color</b> ~ <b>Color Intensity</b> ~ <b>Clarity</b> ~ <b>Consistency</b> ~ <b>Additional Characteristics</b> ~ <b>Degraded</b> No	
--	--	--	--

**Notes/Comments**  
Received results 1/21/15; ug/dL

Test	Primary Result	Secondary Result	Low RI	High RI	Evaluation	Excl'd. from RI	Reviewed
Selenium ICPMS	29.54 ~	~	~	~	~	~	~

Sample Detail (GSN: S-PGW15-002149)

<b>Collection Date/Time</b>	01/14/2015 00:00	<b>Collection Method</b>	Phlebotomy
<b>Sample Type</b>	Whole Blood	<b>Collected By</b>	Leslie Schutte
<b>Anatomical Source/Tissue</b>	PINNA (LEFT)	<b>Reason</b>	Routine
<b>Additives/Preservatives</b>	EDTA, Potassium	<b>Exclude from reference intervals</b>	No

**Test & Result**

<b>Test Request Detail</b> <b>Date Requested</b> 01/14/2015 <b>Requested By</b> Lizzy Arnett-Chinn <b>Laboratory</b> CORNELLAB <b>Analysis Start Date</b> 01/15/2015 <b>Analysis Equipment</b> ~ <b>Insufficient Sample</b> No		<b>Sample Quality</b> <b>Color</b> ~ <b>Color Intensity</b> ~ <b>Clarity</b> ~ <b>Consistency</b> ~ <b>Additional Characteristics</b> ~ <b>Degraded</b> No	
--	--	--	--

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Sample Detail

<b>Collection Date/Time</b>	01/14/2015 00:00
<b>Sample Type</b>	Wash/Lavage Fluid
<b>Anatomical Source/Tissue</b>	TRUNK
<b>Collection Method</b>	Wash/lavage
<b>Collected By</b>	Lizzy Arnett-Chinn
<b>Reason</b>	Routine
<b>Exclude from reference intervals</b>	No

Sample Quality

<b>Color</b>	~
<b>Color Intensity</b>	~

Initial Holding Conditions

<b>Initial Holding Temp.</b>	~
<b>Initial Holding Duration</b>	~

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
01/14/2015	~/S-PGW15-002131	Available	~/~/~

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Sample

Sample Detail

<b>Collection Date/Time</b>	01/14/2015 00:00
<b>Sample Type</b>	Whole Blood
<b>Anatomical Source/Tissue</b>	PINNA (LEFT)
<b>Additives/Preservatives</b>	EDTA, Potassium
<b>Collection Method</b>	Phlebotomy
<b>Collected By</b>	Leslie Schutte
<b>Reason</b>	Routine
<b>Exclude from reference intervals</b>	No

Sample Quality

<b>Additional Characteristics</b>	~
<b>Degraded</b>	No

Pre-Sampling Conditions

<b>Fasting Duration</b>	< 2 hours
<b>Restraint Type</b>	Physical
<b>Activity</b>	Moderate activity

Initial Holding Conditions

<b>Initial Holding Temp.</b>	~
<b>Initial Holding Duration</b>	~

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
01/14/2015	~/S-PGW15-002149	Sent Out	

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Sample Detail

<b>Collection Date/Time</b>	01/14/2015 00:00
<b>Sample Type</b>	Urine
<b>Additives/Preservatives</b>	~
<b>Collection Method</b>	Free Catch
<b>Collected By</b>	Karen Veary-Santos
<b>Reason</b>	Routine
<b>Exclude from reference intervals</b>	No

Sample Quality

<b>Color</b>	Yellow
<b>Color Intensity</b>	medium
<b>Clarity</b>	Turbid/Cloudy
<b>Degraded</b>	No

Initial Holding Conditions

<b>Initial Holding Temp.</b>	~
<b>Initial Holding Duration</b>	~

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
01/14/2015	~/S-PGW15-002134	Sent Out	

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

**Sample**

Sample Detail

<b>Collection Date/Time</b>	01/14/2015 00:00
<b>Sample Type</b>	Whole Blood
<b>Anatomical Source/Tissue</b>	PINNA (LEFT)
<b>Additives/Preservatives</b>	EDTA, Potassium
<b>Collection Method</b>	Phlebotomy
<b>Collected By</b>	Leslie Schutte
<b>Reason</b>	Routine
<b>Exclude from reference intervals</b>	No

Sample Quality

<b>Additional Characteristics</b>	~
<b>Degraded</b>	No

Pre-Sampling Conditions

<b>Fasting Duration</b>	< 2 hours
<b>Restraint Type</b>	Behavioral
<b>Activity</b>	Moderate activity

Initial Holding Conditions

<b>Initial Holding Temp.</b>	~
<b>Initial Holding Duration</b>	~

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
01/14/2015	~/S-PGW15-002133	Sent Out	

Notes

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

**Sample**



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

<b>Sample Detail</b> <b>Collection Date/Time</b> 01/14/2015 00:00 <b>Sample Type</b> Serum <b>Anatomical Source/Tissue</b> PINNA (LEFT) <b>Collection Method</b> Phlebotomy <b>Collected By</b> Leslie Schutte <b>Reason</b> Routine <b>Exclude from reference intervals</b> No		<b>Sample Quality</b> <b>Color</b> ~ <b>Color Intensity</b> ~ <b>Clarity</b> ~ <b>Additional Characteristics</b> ~ <b>Degraded</b> No									
<b>Initial Holding Conditions</b> <b>Initial Holding Temp.</b> ~ <b>Initial Holding Duration</b> ~		<b>Pre-Sampling Conditions</b> <b>Fasting Duration</b> < 2 hours <b>Restraint Type</b> Behavioral <b>Activity</b> Moderate activity									
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Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results								
01/14/2015	~/S-PGW15-002148	Sent Out									
<b>Notes</b> ~											
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Date	Title	Assigned To	Done								
~	~	~	~								

<b>Sample Detail</b> <b>Collection Date/Time</b> 01/14/2015 00:00 <b>Sample Type</b> Serum <b>Anatomical Source/Tissue</b> PINNA (LEFT) <b>Collection Method</b> Phlebotomy <b>Collected By</b> Leslie Schutte <b>Reason</b> Routine <b>Exclude from reference intervals</b> No		<b>Sample Quality</b> <b>Color</b> ~ <b>Color Intensity</b> ~ <b>Clarity</b> ~ <b>Additional Characteristics</b> ~ <b>Degraded</b> No									
<b>Initial Holding Conditions</b> <b>Initial Holding Temp.</b> ~ <b>Initial Holding Duration</b> ~		<b>Pre-Sampling Conditions</b> <b>Fasting Duration</b> < 2 hours <b>Restraint Type</b> Behavioral <b>Activity</b> Moderate activity									
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Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results								
01/14/2015	~/S-PGW15-002132	Available	CORNELLAB/27/27								
<b>Notes</b> ~											
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Date	Title	Assigned To	Done								
~	~	~	~								

Sample



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Administration Records

Administration Date/Time	Administered By	Success	Notes
01/15/2015 00:00	Leslie Schutte	~	~

Sample

Sample Detail

<b>Collection Date/Time</b>	01/15/2015 00:00
<b>Sample Type</b>	Wash/Lavage Fluid
<b>Anatomical Source/Tissue</b>	TRUNK
<b>Collection Method</b>	Wash/lavage
<b>Collected By</b>	Lizzy Arnett-Chinn
<b>Reason</b>	Routine
<b>Exclude from reference intervals</b>	No

Sample Quality

<b>Color</b>	~
<b>Color Intensity</b>	~

Initial Holding Conditions

<b>Initial Holding Temp.</b>	~
<b>Initial Holding Duration</b>	~

Sample History

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
01/15/2015	~S-PGW15-002135	Available	~ ~

Notes

~
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Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

01/14/2015

Diagnoses & Procedure

**Procedure**

TRUNK WASH, TRUNK WASH CULTURES (USDA NVS LABORATORY)

**Onset Date**

01/14/2015 00:00

**Responsible Clinician**

Lizzy Arnett-Chinn

**Resolution Date**

01/14/2015 00:00

**Notes/Comments**

Day 2 of 3

Sample



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Prescription Notes/Comments  
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Dispensing Records

Date Dispensed	Dispensed By	Quantity Dispensed
01/15/2015	Leslie Schutte	2 ml

Administration Records

Administration Date/Time	Administered By	Success	Notes
01/15/2015 00:00	Leslie Schutte	~	~

Prescription/Treatment

Basic Info

Date Written	01/15/2015
Start Date	01/15/2015 00:00
Prescribed By	Lizzy Arnett-Chinn
Prescribed For	1 animal
Reason For Terminate	~
Terminate Date	~
Reason For Treatment	Routine

Treatment Detail

Treatment Item/Drug	VETERA EWT (Liquid) (EEE/WEE/TETANUS) (BIVETMED)		
Dose Amount	2 ml	Frequency	once
Dosage Amount	~	Duration	1doses
Administrated Dose	2 ml	Delivery Route	Injection, intramuscular (i.m.)
Quantity		Loading Dose	~
		Form Of Drug	Liquid
		Concentration Of Drug	~

Treatment Response

Clinical Response ~

Adverse Effects ~

Adverse Effects Note:

~

Staff Instructions

~

Prescription Notes/Comments

LR hip

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Dispensing Records

Date Dispensed	Dispensed By	Quantity Dispensed
01/15/2015	Leslie Schutte	2 ml

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Trunk wash 3 of 3 in the morning

**Assessment**

Healthy geriatric, non-reproductive, female Asian elephant with arthritis in front left elbow, healing surgical wound of tail and most likely on last set of molars.

**Plan**

Continue current treatment for tail of cleaning with Chlorohex and placing SSD on it twice daily.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Diagnoses & Procedure

**Procedure**

TRUNK WASH, TRUNK WASH CULTURES (USDA NVS LABORATORY)

**Onset Date**

01/15/2015 00:00

**Responsible Clinician**

Lizzy Arnett-Chinn

**Resolution Date**

01/15/2015 00:00

**Notes/Comments**

Day 3 of 3

Prescription/Treatment

Basic Info

**Date Written** 01/15/2015  
**Start Date** 01/15/2015 00:00  
**Prescribed By** Lizzy Arnett-Chinn  
**Prescribed For** 1 animal  
**Reason For Terminate** ~  
**Terminate Date** ~  
**Reason For Treatment** Routine

Treatment Detail

<b>Treatment Item/Drug</b>	RABIES IMRAB 3	<b>Frequency</b>	once	<b>Form Of Drug</b> ~
<b>Dose Amount</b>	2 ml	<b>Duration</b>	1doses	Concentration Of Drug
<b>Dosage Amount</b>	~	<b>Delivery Route</b>	Injection, intramuscular (i.m.)	~
<b>Administrated Dose Quantity</b>	2 ml	<b>Loading Dose</b>	~	

Treatment Response

**Clinical Response** ~  
**Adverse Effects** ~  
**Adverse Effects Note:**

~

Staff Instructions

~

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

01/20/2015

Diagnoses & Procedure

**Procedure**

RADIOGRAPH, FRONT FEET

**Onset Date**

01/20/2015 00:00

**Responsible Clinician**

Lizzy Arnett-Chinn

**Resolution Date**

01/20/2015 00:00

**Notes/Comments**

Annual foot radiographs:

Assessment (1/22/15) Right front foot: D1 unremarkable, not able to see joint b/w P2 and P1; D2 - radiolucent spot axial side of toenail toward the plantar aspect of the toenail, smooth unremarkable joints of P3 to P2 and P2 to P1, only able to see distal portion of M2 but all is unremarkable; D3 - smooth unremarkable joints of P3 to P2 and P2 to P1, slight increase in osteophyte a margin of P3 compared to rads done in 2006, very small radiolucent area of proximal portion of abaxial side of toenail; D4 - larger radiolucent area of toenail on the proximal axial area; D5 - unremarkable, not able to see joint b/w P2 and P1.

Right lateral front foot: Can make out D3 with smooth joints and bones, can vaguely see ankle structures, but overall not diagnostic radiographs, not enough penetration with machine. Will try different techniques next week.

Left front foot: D1 - P2 unremarkable, due to exposure depths not able to see P1 or the joint space between P2 and P1; D2 - smooth joints, unremarkable; D3 - Joint space smooth and unremarkable, unable to assess P3 due to sand artifact; D 4 - increased sand artifact and poor exposure; D5 - unable to get due to technique and exposure. Will attempt hind legs and retake poor rads on front feet.

01/15/2015

Clinical note

**Date**

01/15/2015

**Time**

00:00

**Note Author**

Lizzy Arnett-Chinn

**Significant**

No

**Private**

No

**Active Problems**

TRUNK WASH, TRUNK WASH CULTURES (USDA NVS LABORATORY)

**Subjective**

Annual exams (Entered 1/21/2015). Patient is eating well, normal activity, participating in training, no keeper concerns at this time. Patient had a frostbite incident last year resulting in lesions to the ear, vulva and distal tail. Ears have healed very well, vulva almost completely healed with only a dime size lesion left. Tail healing from amputation on 11/5/2014, but looking great with treatment twice daily, SSD and chlorohex.

**Objective**

BAR, MM - pink, BCS - 4.5/5

EENT: Corneas - OD historic corneal scar, OS star shaped mineralization noted on last annual exam appears the same with no progression and does not appear to be bothering patient at all, no lenticular opacities OU, fundic exam WNL, normal ocular discharge (clear in color), no nasal discharge, but MM moist and pink, no aural discharge AU, oral cavity MM-ink and moist, upper molars have moderate wear, there is one divet to the surface bilaterally toward the cranial aspect of the molars with discoloration. Could not visualize the lower molars (keepers to work on behavior)

Integ: Skin is in good condition, cuticles clean, no nail issues present, slippers are clean on all four feet, skin at distal end of tail is still healing from amputation, there is currently a small ~1 x 2 inch eschar in the center that is loosening each day, margins of site are all clean, pink, and continuing to heal well.

M/S: Decreased ROM of the front left elbow joint, otherwise good ROM in other joints

CV/R: HR - 60 bpm, no murmurs or arrhythmias auscultated. RR - 4, lung sounds clear, no sounds associated with wheezing or crackles heard.

GI: Normal gut sounds with normal motility

U/G: Vulva clean and dry with MM - pink, dime size scab still present from frostbite lesions last year, but healing great.

**Procedures:**

Vaccines - Rabies 2ml IM RR; WEE/EEE/T 2ml IM LR

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

01/28/2015

Clinical note

**Date** 01/28/2015 **Time** 00:00 **Note Author** Lizzy Amett-Chinn  
**Significant** No **Private** No **Active Problems** ~

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

01/26/2015

Clinical note

**Date** 01/26/2015 **Time** 00:00 **Note Author** Lizzy Amett-Chinn  
**Significant** No **Private** No **Active Problems** ~

**Note Subtype:** General

**Notes/Comments**

Due to incoming blizzard will postpone rest of radiographs that were schedule for 1/27/2015.

**Animal Care Staff Medical Summary**

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Clinical note

**Date** 01/26/2015 **Time** 00:00 **Note Author** Lizzy Amett-Chinn  
**Significant** No **Private** No **Active Problems** ~

**Note Subtype:** General

**Notes/Comments**

Recheck: Keepers cleaned tail over weekend. The eschar is getting smaller and the area continues to heal and get smaller. Over weekend suspect patient hit her tail against something as there is a very small ~ 3mm area of bruising on the ventral left side of the wound. No additional treatment needed. Continue chlorohex cleaning and SSD twice daily.

Laser therapy 6 Joules right elbow. (3 J on outside and 3 J on inside of joint)

**Animal Care Staff Medical Summary**



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/02/2015

Clinical note

Date	Time	Note Author
02/02/2015	00:00	Lizzy Arnett-Chinn
Significant	Private	Active Problems
No	No	~

Note Subtype: General

**Notes/Comments**

Recheck: Keepers cleaned tail over weekend. The eschar is getting smaller and the area continues to heal and get smaller. Continue chlorohex cleaning and SSD twice daily. Laser therapy 6 Joules right elbow. (3 J on outside and 3 J on inside of joint)

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

01/30/2015

Clinical note

Date	Time	Note Author
01/30/2015	08:15	Leslie Schutte
Significant	Private	Active Problems
No	No	~

Note Subtype: General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

01/29/2015

Clinical note

Date	Time	Note Author
01/29/2015	00:00	Lizzy Arnett-Chinn
Significant	Private	Active Problems
No	No	~

Note Subtype: General

**Notes/Comments**

Recheck tail: eschar is starting to come off even more, tissue underneath is pink and healthy. Continue twice daily chlorohex cleaning and SSD.

**Animal Care Staff Medical Summary**

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Keeper (KVS) reported that patient had a small scratch on her trunk yesterday and today it appeared a little swollen. Scratch is on the midway up the trunk to the left of midline. Is very superficial, there is slight swelling around it, however it is not warm to the touch or actively bleeding. Cleaned with chlorohex. No further treatment needed.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/06/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
02/06/2015	08:30	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/05/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
02/05/2015	00:00	Lizzy Arnett-Chinn
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

**Note Subtype:** General

**Notes/Comments**

Recheck tail: keepers report that there appeared to be slightly more discharge from the healing site yesterday. On exam today the eschar has lifted up even more and looks like it should come off in the next couple of days and the discharge they were seeing is secondary to the increased healing area. All of the tissue is healing great.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/04/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
02/04/2015	00:00	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

**Note Subtype:** General

**Notes/Comments**

Report Start Date  
01/01/2015

Medical Report List for All Record Types

Report End Date  
03/25/2015



<b>Animal Type</b>	GAN	<b>Local ID</b>	Taxonomy	<b>Sex</b>	<b>Birth Date</b>
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

Test & Result

<b>Test Request Detail</b>		<b>Sample Quality</b>	
<b>Date Requested</b>	02/10/2015	<b>Color</b>	~
<b>Requested By</b>	Lizzy Arnett-Chinn	<b>Color Intensity</b>	~
<b>Analysis Start Date &amp; Time</b>	02/10/2015 00:00	<b>Clarity</b>	~
<b>Analysis By</b>	Leslie Schutte	<b>Consistency</b>	~
<b>Analysis Equipment</b>	~	<b>Additional Characteristics</b>	~
<b>Insufficient Sample</b>	No	<b>Degraded</b>	No

Notes/Comments  
~

Test Requests & Test Results

Test	Primary Result	Secondary Result	Low RI	High RI	Evaluation	Excl. from RI	Reviewed
Centrifugation	No parasites found	~	~	~	~	~	No
Sedimentation	No parasites found	~	~	~	~	~	No

Sample Detail (GSN: S-PGW15-002388)

<b>Collection Date/Time</b>	02/10/2015 00:00	<b>Collection Method</b>	Obtained off substrate
<b>Sample Type</b>	Feces	<b>Collected By</b>	Karen Veary-Santos
<b>Anatomical Source/Tissue</b>	~	<b>Reason</b>	Routine
<b>Additives/Preservatives</b>	~	<b>Exclude from reference intervals</b>	No
<b>Multiple Animal Sample</b>	Yes		

02/09/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
02/09/2015	08:30	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments

Laser therapy 3 Joules outside and inside right leg at elbow.  
LAC: afternoon recheck of tail, looks great, new healthy tissue line as moved in ~ 2mm from last week and eschar is a very thin strip of tissue now.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/08/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
02/08/2015	00:00	Lizzy Arnett-Chinn
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments



Report Start Date  
01/01/2015

Medical Report List for All Record Types

Report End Date  
03/25/2015

<b>Animal Type</b>	GAN	<b>Local ID</b>	<b>Taxonomy</b>	<b>Sex</b>	<b>Birth Date</b>
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

**Significant** No      **Private** No      **Active Problems**  REAR, RADIOGRAPH

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow

**Animal Care Staff Medical Summary**

~

**Calendar Items**

Date	Title	Assigned To	Done
~	~	~	~

**Diagnoses & Procedure**

**Procedure**

REAR, RADIOGRAPH

**Onset Date**

02/11/2015 00:00

**Responsible Clinician**

Lizzy Arnett-Chinn

**Resolution Date**

02/11/2015 00:00

**Notes/Comments**

AP of both hind feet:

Right - Able to see D2, D3, D4, all joint spaces clean no osteophytes between P3 and P2 and P2 and P1. Artifact present on nails (sand); not able to assess metatarsals  
Left - Able to see D2, D3, D4, D4 was difficult to assess P1 and joint between P2 and P1, otherwise joint spaces clean with no osteophytes, nail lucency seen between D3 and D4; no metatarsals visible  
Today's rads similar to rads taken in 2006.

02/10/2015

**Sample**

**Sample Detail**

<b>Collection Date/Time</b>	02/10/2015 00:00
<b>Sample Type</b>	Feces
<b>Additives/Preservatives</b>	~
<b>Collection Method</b>	Obtained off substrate
<b>Collected By</b>	Karen Veary-Santos
<b>Reason</b>	Routine
<b>Exclude from reference intervals</b>	No
<b>Multiple Animal Sample</b>	Yes

**Sample Quality**

<b>Color</b>	~
<b>Color Intensity</b>	~
<b>Consistency</b>	~
<b>Additional Characteristics</b>	~
<b>Degraded</b>	No

**Initial Holding Conditions**

**Initial Holding Temp.** Ambient  
**Initial Holding Duration** <= 10 hours

**Sample History**

Date	Sample ID / Sample GSN	Status	Laboratory / Test Order / Test Results
02/10/2015	~IS-PGW15-002388	Consumed	NEW BEDFO/2/2

**Notes**

~

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

02/18/2015 12:00 Leslie Schutte  
**Significant** Private **Active Problems**  
 No No ~

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/17/2015

Clinical note

**Date** **Time** **Note Author**  
 02/17/2015 00:00 Lizzy Arnett-Chinn  
**Significant** Private **Active Problems**  
 No No ~

**Note Subtype:** General

**Notes/Comments**

Recheck tail: still a small amount of eschar present, tail continues to heal well toherwise, cranial portion has healed significantly from last week up to the eschar. Area cleaned with chlorohex and SSD applied.

Laser therapy two sessions of 3J one on outside of leg other on inside of right front elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/13/2015

Clinical note

**Date** **Time** **Note Author**  
 02/13/2015 08:30 Leslie Schutte  
**Significant** Private **Active Problems**  
 No No ~

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/11/2015

Clinical note

**Date** **Time** **Note Author**  
 02/11/2015 00:00 Lizzy Arnett-Chinn

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

02/23/2015 00:00 Lizzy Amett-Chinn

**Significant** Private **Active Problems**

No No ~

**Note Subtype:** General

**Notes/Comments**

Recheck tail: still a small amount of eschar present, however I was able to cut off the loose non-viable tissue, the area still healing is now 3/4 of the way healed and looks great!  
Area cleaned with chlorohex and SSD applied.  
Laser therapy two sessions of 3J one on outside of leg other on inside of right front elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/20/2015

Clinical note

**Date** **Time** **Note Author**

02/20/2015 00:00 Lizzy Amett-Chinn

**Significant** Private **Active Problems**

No No ~

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/19/2015

Diagnoses & Procedure

**Procedure**

RADIOGRAPH

**Onset Date** **Responsible Clinician**

02/19/2015 00:00 Lizzy Amett-Chinn

**Resolution Date**

02/19/2015 00:00

**Notes/Comments**

Fujifilm came out to demo their DR so took advantage of having a DR machine on site. All of Ruth's feet appear to be in good condition. (AP)  
LR: Good visualization of joint spaces and bone from P3 to metacarpals of D2 - D4; able to assess P2 of D1 which is smooth and WNL; oblique view of D2 good margins, Able to assess the P2 of D5 and was smooth. No radiographic changes since 2006 radiographs.  
RR: Good visualization of joint spaces and bone from P3 to metacarpals of D2 - D4; There was an increased lucency of the toenails of D3 and D4 that come together at the space between. Keepers felt the area and there was no heat or sensitivity coming from the area.

02/18/2015

Clinical note

**Date** **Time** **Note Author**



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

**Significant**                      **Private**                      **Active Problems**

No                                      No                                      ~

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/03/2015

**Diagnoses & Procedure**

**Procedure**

RADIOGRAPH

**Onset Date**

03/03/2015 00:00

**Responsible Clinician**

Lizzy Arnett-Chinn

**Resolution Date**

03/03/2015 00:00

**Notes/Comments**

Laterals:

Right elbow - not enough penetration to assess joint space, but no osteophytes or periosteal changes seen.

RF - Definite osteoproliferation at the dorsal surface of the carpals, however it appears to be the same as it was in 2006, no further degeneration/proliferation seen

RR - Fibula and tibia are smooth and in good condition, joint space between F & T and tarsals appears smooth, but difficult to assess; Calcaneus has small amount of osteophytes, but the same as 2006

Left elbow - poor penetration

LF - poor penetration

LR - small amount of potential osteophytes on the calcaneus, but the same as right calcaneus and Emily (calcaneus could not be assessed on the 2006 rads); good joint space between F&T and tarsals

03/02/2015

**Clinical note**

**Date**

03/02/2015

**Time**

08:30

**Note Author**

Leslie Schutte

**Significant**

No

**Private**

No

**Active Problems**

~

**Note Subtype:** General

**Notes/Comments**

Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

02/23/2015

**Clinical note**

**Date**

**Time**

**Note Author**



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

**Date** 03/11/2015      **Time** 08:00      **Note Author** Leslie Schutte

**Significant** No      **Private** No      **Active Problems** ~

**Note Subtype:** General

**Notes/Comments**  
Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**  
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/09/2015

Clinical note

**Date** 03/09/2015      **Time** 09:30      **Note Author** Leslie Schutte

**Significant** No      **Private** No      **Active Problems** ~

**Note Subtype:** General

**Notes/Comments**  
Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**  
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/06/2015

Clinical note

**Date** 03/06/2015      **Time** 09:30      **Note Author** Leslie Schutte

**Significant** No      **Private** No      **Active Problems** ~

**Note Subtype:** General

**Notes/Comments**  
Laser therapy 3 Joules outside and inside right leg at elbow.

**Animal Care Staff Medical Summary**  
~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/04/2015

Clinical note

**Date** 03/04/2015      **Time** 11:30      **Note Author** Leslie Schutte

Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
03/18/2015	10:45	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments

Laser therapy 3 Joules outside and inside right leg at elbow.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/16/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
03/16/2015	07:30	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments

Laser therapy 3 Joules outside and inside right leg at elbow.

LAC: rechecked patient's tail, it is healing beautifully! I removed a small tissue tag to help with healing. Tissue is normal granulation tissue, not inflamed and no discharge present.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/13/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
03/13/2015	08:00	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments

Laser therapy 3 Joules outside and inside right leg at elbow.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/11/2015

Clinical note



Animal Type	GAN	Local ID	Taxonomy	Sex	Birth Date
Individual	MIG12-29545888	5	Elephas maximus/Asian elephant	Female	10/29/1958

03/25/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
03/25/2015	08:00	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments

Laser therapy 3 Joules outside and inside right leg at elbow.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/23/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
03/23/2015	00:00	Lizzy Amett-Chinn
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments

Laser therapy 3 Joules outside and inside right leg at elbow.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/20/2015

Clinical note

<b>Date</b>	<b>Time</b>	<b>Note Author</b>
03/20/2015	12:00	Leslie Schutte
<b>Significant</b>	<b>Private</b>	<b>Active Problems</b>
No	No	~

Note Subtype: General

Notes/Comments

Laser therapy 3 Joules outside and inside right leg at elbow.

Animal Care Staff Medical Summary

~

Calendar Items

Date	Title	Assigned To	Done
~	~	~	~

03/18/2015