Sea Life Park HAWAII

PART 2 of 2

To: George Balasz

From: Brian Joseph, Sea Life Park Hawaii

Subject: Hawaiian green sea turtles presently on mainland

August 16, 2003

Eleven Hawaiian green sea turtles are presently housed in mainland zoos and aquaria (see summary table). Turtles were transferred to these facilities as part of the Hawaiian green sea turtle loan program. Their return to Hawaii for release was first delayed by our concern for oral lesions first reported in hatchlings at Sea Life Park Hawaii by Dr. Gregg Levine and the time that it took us to sort through this observation with due diligence. Their return has been delayed for the last 15 months due to inability to obtain sufficient information concerning the health history and status of these turtles from the mainland facilities. I now believe that we have sufficient information.

What follows is:

- The summary table listed above that lists location, identification, health problems that have been reported, date of last venipuncture, recent measurements and a list of institutional contacts;
- A brief summary of information provided by each facility concerning health history, diet and housing;
- Select correspondence, medical records and laboratory data (some on disk and some on hard copy) and photographic images (some on disk and some on hard copy).

I have reviewed this information and believe that the turtles are in generally good health. I do have slight concern for the turtle, Clyde, at the Dallas World Aquarium. His diet was nearly entirely fish for much of his stay at this facility (as was his deceased cohort Bonnie). Bonnie died due to renal disease that was likely due to this improper diet (phosphorous/calcium imbalance). Clyde's diet has been changed such that 98 % of his diet is vegetable in nature. As a result, his serum phosphorous/calcium ratio is more nearly normal.

I ask that you and Dr. Bob Morris evaluate this information and then meet with me to discuss the next step for these turtles.

It is certainly desirable to bring the turtles back to Hawaii for release and this is my personal recommendation. I would guess the release of large turtles with

42-202 Kalanianaole Highway #7, Waimanalo, HI 96795 • Phone: (808) 259-7933 • Fax: (808) 259-7373

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200 photos
8-16-03

MINNESOTA ZOO
APPLE VALLEY, MINNESOTA

Memorandum

MINNESOTA

DATE: August 16, 2003

TO Dr Brian Joseph

FROM: Allan Maguire

RE: SeaLife Park Green Turtle information

Brain,
We weighed and measured the three Green turtles we have on Tuesday June 17, 2003. I am including the measurements and pictures. The blood results will be sent later when I get them.

Minnesota Zoo #9254

Weight	210 lbs
Straight carapace lng.	83.8 cm
Curve carapace lng.	87.0 cm
Straight carapace wid.	61.9 cm
Curved wid.	75.0 cm
Head wid.	12.0 cm
Body thickness	36.1 cm

Minnesota Zoo #9255

Weight	178 lbs
Straight carapace lng.	79.8 cm
Curved carapace lng.	83.3 cm
Straight crapace wid.	59.2 cm
Curved wid.	70.0 cm
Head wid.	11.1 cm
Body thickness	34.5 cm

Minnesota Zoo #9567

Weight	213 lbs
Straight carapace lng.	87.2 cm
Curved carapace lng.	92.0 cm
Straight carapace lng.	67.1 cm
Curved wid.	76.5 cm
Head wid.	11.8 cm
Body thickness	37.4 cm

Subj: **Re: Hawaiian green sea turtles**
Date: 12/31/02 6:50:41 AM Pacific Standard Time
From: amaguir@mail.mnzoo.state.mn.us
To: PhinneyPin@aol.com
Sent from the Internet (Details)

Hi Brian,
I guess I am not sure how to measure the maximum carapace thickness. If you let us know we can certainly send you that information ASAP.
Actually the Omaha Zoo and Mandaly Bay in Las Vegas have both requested a turtle. We would like to keep one if possible, but if they are to be released, we understand that also. I am glad everyone is getting the info out to you. The state of MN is in poor financial condition. The zoo has plans to cut but they don't know when or if they have to lay off people.
All Zoologists except myself and Chris Kline have been promoted to supervisor. The aquarium staff still reports to the division director. I guess we need a lot of supervision.
Good to hear from you.
Allan
>>> <PhinneyPin@aol.com> 12/28/02 10:00AM >>>
Dear Alan,

You came in closest in fulfilling all the requirements of the May 10, 2002 memo.

You may not have the last piece of information that we requested and if not, it isn't the end of the world because it can be obtained when they are shipped. The piece of information you left out was the maximum carapace thickness of each turtle. Do you have that information?

Also, you suggest that the Shedd Aquarium is possibly interested in obtaining one or more turtles from you for permanent housing. Can you elaborate on this?

Thank you. It sounds like things at the MN Zoo continue to be rocky. I am sorry.

Brian E. Joseph, DVM
10349 Maddelein Lane
Palo Cedro, CA 96073
(530) 549-3245 home
(530) 515-2001 cell
(530) 549-3845 fax

Allan Maguire
Zoologist/Aquariums
Minnesota Zoo
952-431-9289

BEGIN:VCARD
VERSION:2.1
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TEL;WORK:612/431-9289
ORG:Minnesota Zoo;Aquariums
EMAIL;WORK;PREF;NGW:AMaguir@mail.mnzoo.state.mn.us
N:Maguire;Allan
TITLE:Aquarist
ADR;INTL;WORK;PARCEL;POSTAL:;;;Apple Valley;MN;55124;U.S.A.

Subj: **Green Turtle Disposition**
Date: 10/31/02 5:29:44 AM Hawaiian Standard Time
From: amaguir@mail.mnzoo.state.mn.us (Allan Maguire)
To: slpanimalprogram@aol.com

Dear Mike,
I received another inquiry from Henry Doorly Zoo in Omaha about the possibility of getting one of the Green turtles we have here at the Minnesota Zoo. Has any progress been made on a decision about the Sea Life Park mainland turtle disposition? We got the Husbandry manual and are trying the pelleted diet in out gel diet formula. I hope you are getting the information you need, these turtles are looking good, and getting bigger all the time.
Allan Maguire

Allan Maguire
Zoologist/Aquariums
Minnesota Zoo
952-431-9289

BEGIN:VCARD
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Date: Thu, 31 Oct 2002 09:29:02 -0600
From: "Allan Maguire" <amaguir@mail.mnzoo.state.mn.us>
To: <slpanimalprogram@aol.com>
Subject: Green Turtle Disposition
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Subj: Green Turtles
Date: 11/3/02 6:43:35 AM Hawaiian Standard Time
From: MSattler@sheddaquarium.org (Sattler, Michelle)
To: slpanimalprogram@aol.com ('slpanimalprogram@aol.com')

Hey Mike,

It was great to talk to you. All of my divers inquire on a regular basis about when we will get a new turtle. How is the process coming along? Let me know what you think as far as what kind of time frame we are looking at. I hope I'm not bugging you too much! Mahalo

Michelle Sattler
Aquarium Collections Manager Galleries
John G. Shedd Aquarium
312.692.3311
msattler@sheddaquarium.org

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Return-Path: <MSattler@sheddaquarium.org>
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id <VCXJ7M9X>; Sun, 3 Nov 2002 10:43:16 -0600
Message-ID: <A86CD5539291D311BB6E009027D5FF3502D2B185@hawkeye.sheddaquarium.org>
From: "Sattler, Michelle" <MSattler@sheddaquarium.org>
To: "'slpanimalprogram@aol.com'" <slpanimalprogram@aol.com>
Subject: Green Turtles
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Subj: **Green Turtles Transfer**
Date: 9/17/02 4:01:14 AM Hawaiian Standard Time
From: amaguir@mail.mnzoo.state.mn.us (Allan Maguire)
To: slpanimalprogram@aol.com
CC: Kwillis.MNZoo#032#Post#032#Office.ZooGWdomain@mail.mnzoo.state.mn.us (Kevin Willis)

Mike,
How are things in your part of the world? Fall is approaching and I was wondering if any progress has been made about the Green Turtles on the Mainland? We still would like to transfer two of them to other facilities but we your blessing before we can do that. Has any progress been made as the disposition of the turtles? I hope all the facilities have responded to your earlier request and you have all the information you need for the phase two part of this program.
Please let me know what progress has been made.
Thanks for you time.
Allan Maguire

Allan Maguire
Zoologist/Aquariums
Minnesota Zoo
952-431-9289

BEGIN:VCARD
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To: <slpanimalprogram@aol.com>
Cc: "Kevin Willis" <Kwillis.MNZoo#032#Post#032#Office.ZooGWdomain@mail.mnzoo.state.mn.us>
Subject: Green Turtles Transfer
Mime-Version: 1.0

RET. TO LO

Subj: Green Turtle Housing
Date: 5/29/02 4:18:08 AM Hawaiian Standard Time
From: amaguir@mail.mnzoo.state.mn.us (Allan Maguire)
To: slpanimalprogram@aol.com

Hi Sharon,
All the Green Turtles that have been at the Minnesota Zoo were quarantined in a 3,000 gallon tank until they were large enough to put in the 190,000 gallon shark reef exhibit. These turtles have been the only reptiles in every water system they have been in. They have are currently with fish and sharks from the Caribbean in the Shark Reef.
Allan Maguire

Allan Maguire
Zoologist/Aquariums
Minnesota Zoo
612-431-9289

BEGIN:VCARD
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with Novell_GroupWise; Wed, 29 May 2002 09:17:51 -0500
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Date: Wed, 29 May 2002 09:17:30 -0500
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To: <slpanimalprogram@aol.com>
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Green Sea Turtle Data Sheet

Seal-Ja Park #11935 (2000) received 24 October, 1997
Hatched July 1997 (approximate)

Date	Total Weight (kg) (2000)	Carapace Length Curved (cm)	Carapace Length Straight (cm)	Carapace Width Curved (cm)	Head Width Straight (cm)
1/1/1997	7.05	38.4	34.8	31.2	5.7
1/1/1997	8.05	40.5	36.7	34.5	6.4
1/1/1997	8.35	42	38.4	36.1	7
2/1/1997	10.55	43.5	40	37.5	7
3/1/1997	11.45	44.5	41.37	38.8	7
4/1/1997	12.05	45.2	42.75	39	7.5
5/1/1997	13	47.5	44.47	41	7.65
6/1/1997	13.5	48.5	45.72	42.5	7.8
7/1/1997	14.1	49.5	46.85	43.5	7.9
8/1/1997	17.25	50.5	47.92	44	7.9
9/1/1997	16.11	51.1	48.38	45	7.9
10/1/1997	18.65	52.5	49.5	46	7.9
11/1/1997					
12/1/1997	21.1	55.5	53	51	8.5
1/1/1998					
2/1/1998	22.75	57	58.5	47	7.95
3/1/1998	23.75	58.5	59.85	48.4	8.25
4/1/1998	24.9	60.5	60.85	49.5	8.35
5/1/1998	25.1	61.5	62.85	50.5	8.35
6/1/1998	26.1	62.5	63.85	51	8.35
7/1/1998	27.1	64.5	65.85	52.5	8.35
8/1/1998	28.1	66.5	67.85	53.5	8.35
9/1/1998	29.1	68.5	69.85	54.5	8.35
10/1/1998	30.1	70.5	71.85	55.5	8.35
11/1/1998	31.1	72.5	73.85	56.5	8.35
12/1/1998	32.1	74.5	75.85	57.5	8.35
1/1/1999	33.1	76.5	77.85	58.5	8.35
2/1/1999	34.1	78.5	79.85	59.5	8.35
3/1/1999	35.1	80.5	81.85	60.5	8.35
4/1/1999	36.1	82.5	83.85	61.5	8.35
5/1/1999	37.1	84.5	85.85	62.5	8.35
6/1/1999	38.1	86.5	87.85	63.5	8.35
7/1/1999	39.1	88.5	89.85	64.5	8.35
8/1/1999	40.1	90.5	91.85	65.5	8.35
9/1/1999	41.1	92.5	93.85	66.5	8.35
10/1/1999	42.1	94.5	95.85	67.5	8.35
11/1/1999	43.1	96.5	97.85	68.5	8.35
12/1/1999	44.1	98.5	99.85	69.5	8.35
1/1/2000	45.1	100.5	101.85	70.5	8.35
2/1/2000	46.1	102.5	103.85	71.5	8.35
3/1/2000	47.1	104.5	105.85	72.5	8.35
4/1/2000	48.1	106.5	107.85	73.5	8.35
5/1/2000	49.1	108.5	109.85	74.5	8.35
6/1/2000	50.1	110.5	111.85	75.5	8.35
7/1/2000	51.1	112.5	113.85	76.5	8.35
8/1/2000	52.1	114.5	115.85	77.5	8.35
9/1/2000	53.1	116.5	117.85	78.5	8.35
10/1/2000	54.1	118.5	119.85	79.5	8.35
11/1/2000	55.1	120.5	121.85	80.5	8.35
12/1/2000	56.1	122.5	123.85	81.5	8.35
1/1/2001	57.1	124.5	125.85	82.5	8.35
2/1/2001	58.1	126.5	127.85	83.5	8.35
3/1/2001	59.1	128.5	129.85	84.5	8.35
4/1/2001	60.1	130.5	131.85	85.5	8.35
5/1/2001	61.1	132.5	133.85	86.5	8.35
6/1/2001	62.1	134.5	135.85	87.5	8.35
7/1/2001	63.1	136.5	137.85	88.5	8.35
8/1/2001	64.1	138.5	139.85	89.5	8.35
9/1/2001	65.1	140.5	141.85	90.5	8.35
10/1/2001	66.1	142.5	143.85	91.5	8.35
11/1/2001	67.1	144.5	145.85	92.5	8.35
12/1/2001	68.1	146.5	147.85	93.5	8.35
1/1/2002	69.1	148.5	149.85	94.5	8.35
2/1/2002	70.1	150.5	151.85	95.5	8.35

Seal-Ja Park #11935 (2004) received 24 October, 1997
Hatched July 1997 (approximate)

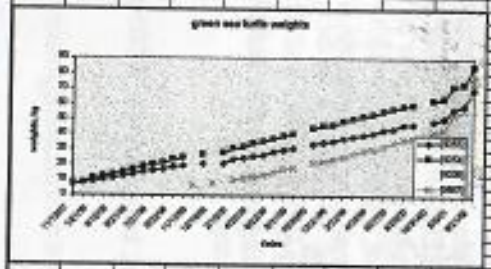
Date	Total Weight (kg) (2004)	Carapace Length Curved (cm)	Carapace Length Straight (cm)	Carapace Width Curved (cm)	Head Width Straight (cm)
1/1/1997	7.4	39.5	36.8	32.7	6.4
2/1/1997	7.85	40.5	37.6	33.7	6.1
3/1/1997	10.75	42	41.5	35	7.3
4/1/1997	12.35	43.5	43.1	36.5	7
5/1/1997	13.3	46.5	43.1	40	7.3
6/1/1997	15.8	47.5	45.77	41.5	7.3
7/1/1997	16.95	48.5	47.55	43	8.25
8/1/1997	18.7	51.5	48.79	44.5	8
9/1/1997	19.9	52.5	50.9	46.4	8
10/1/1997	21.35	54	52.9	48.4	8
11/1/1997	22.45	55	53.95	49.5	8.8
12/1/1997	24.95	56.5	55	50.5	8.5
1/1/1998					
2/1/1998	28.8	57.4	56.2	49.8	9.7
3/1/1998					
4/1/1998	29.75	59	58.85	50.8	8.85
5/1/1998	30.75	60.5	59.85	51.8	8.85
6/1/1998	31.8	62.5	60.85	52.8	8.85
7/1/1998	32	61	60.85	53.8	8.85
8/1/1998	33.1	63	61.85	54	10.95
9/1/1998	34.15	65.5	62.85	55.5	10.95
10/1/1998	35.2	67	63.85	56	9.95
11/1/1998	36.2	68	64.85	57	9.95
12/1/1998	37.2	69	65.85	58	9.95
1/1/1999	38.2	70.5	66.85	59.5	9.95
2/1/1999	39.2	71.5	67.85	60.5	9.95
3/1/1999	40.2	73	68.85	61.5	9.95
4/1/1999	41.2	74	69.85	62.5	9.95
5/1/1999	42.2	75.5	70.85	63.5	9.95
6/1/1999	43.2	76.5	71.85	64.5	9.95
7/1/1999	44.2	78	72.85	65.5	9.95
8/1/1999	45.2	79.5	73.85	66.5	9.95
9/1/1999	46.2	81	74.85	67.5	9.95
10/1/1999	47.2	82.5	75.85	68.5	9.95
11/1/1999	48.2	84	76.85	69.5	9.95
12/1/1999	49.2	85.5	77.85	70.5	9.95
1/1/2000	50.2	87	78.85	71.5	9.95
2/1/2000	51.2	88.5	79.85	72.5	9.95
3/1/2000	52.2	90	80.85	73.5	9.95
4/1/2000	53.2	91.5	81.85	74.5	9.95
5/1/2000	54.2	93	82.85	75.5	9.95
6/1/2000	55.2	94.5	83.85	76.5	9.95
7/1/2000	56.2	96	84.85	77.5	9.95
8/1/2000	57.2	97.5	85.85	78.5	9.95
9/1/2000	58.2	99	86.85	79.5	9.95
10/1/2000	59.2	100.5	87.85	80.5	9.95
11/1/2000	60.2	102	88.85	81.5	9.95
12/1/2000	61.2	103.5	89.85	82.5	9.95
1/1/2001	62.2	105	90.85	83.5	9.95
2/1/2001	63.2	106.5	91.85	84.5	9.95
3/1/2001	64.2	108	92.85	85.5	9.95
4/1/2001	65.2	109.5	93.85	86.5	9.95
5/1/2001	66.2	111	94.85	87.5	9.95
6/1/2001	67.2	112.5	95.85	88.5	9.95
7/1/2001	68.2	114	96.85	89.5	9.95
8/1/2001	69.2	115.5	97.85	90.5	9.95
9/1/2001	70.2	117	98.85	91.5	9.95
10/1/2001	71.2	118.5	99.85	92.5	9.95
11/1/2001	72.2	120	100.85	93.5	9.95
12/1/2001	73.2	121.5	101.85	94.5	9.95
1/1/2002	74.2	123	102.85	95.5	9.95
2/1/2002	75.2	124.5	103.85	96.5	9.95

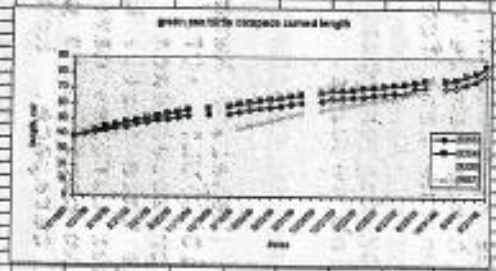
Columbus Cardinal Park #11936 (2001)
received 18 April, 1998 hatched 21 Aug. 1997
(approximate)

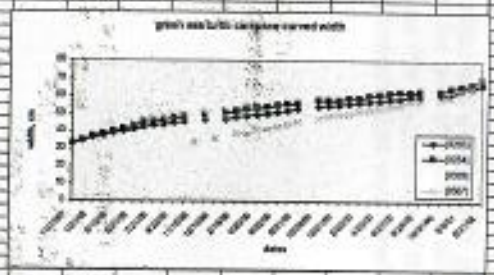
Date	Total Weight (kg) (2001)	Carapace Length Curved (cm)	Carapace Length Straight (cm)	Carapace Width Curved (cm)	Head Width Straight (cm)
1/1/1998	29.3	67	57.785	50	12.985
2/1/1998	30.7	61.2	58.4	50.5	9.8
3/1/1998	32.2	62.3	59.04	50.5	9.3
4/1/1998	34	63	60.08	51.2	9
5/1/1998	36.05	64	60.325	52	9.4
6/1/1998	37.9	65.5	60.5	52	9.25
7/1/1998					
8/1/1998	40.65	66.8	60.5	52.7	9
9/1/1998					
10/1/1998	42.85	67.7	60.4	52.5	10.15
11/1/1998	45.35	68.4	60.15	53	9.85
12/1/1998	48	69.8	59.94	53.5	9.85
1/1/1999	49.75	70.5	59.85	53	9.85
2/1/1999	50.95	71	59.85	53	10.35

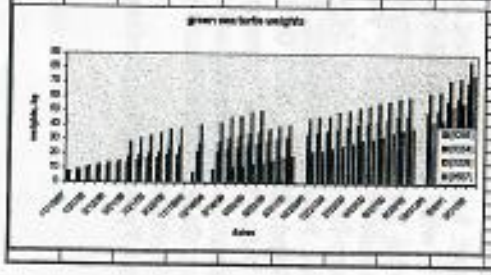
Seal-Ja Park #11935 (2001) received 11 November, 1998
Hatched August 24, 1997 (approximate)

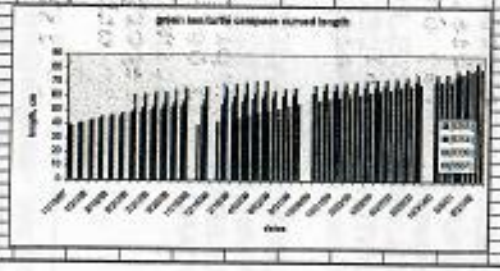
Date	Total Weight (kg) (2001)	Carapace Length Curved (cm)	Carapace Length Straight (cm)	Carapace Width Curved (cm)	Head Width Straight (cm)
1/1/1998	4.0	39.3	37.15	33.7	6
2/1/1998					
3/1/1998	9.4	42	38.42	36.3	6.35
4/1/1998					
5/1/1998	10.45	44.45	40.81	38.75	6.35
6/1/1998	11.85	46.25	42.85	39.35	6.35
7/1/1998	13.15	48.2	43.875	41	6.35
8/1/1998	14.4	49.4	45.45	41.5	6.35
9/1/1998	15.25	51	46.88	42	7.15
10/1/1998	16.4	53	48.17	42.5	7.15
11/1/1998	19.6	54.5	50.07	45	7.85
12/1/1998					
1/1/1999	21.5	56.8	52.07	47.5	7.85
2/1/1999	22.5	58.3	54.07	48.7	7.85
3/1/1999	24.5	59	54.07	49.5	8.1
4/1/1999	25.5	60	55.25	50.5	8.1
5/1/1999	27.85	61.5	57.15	51	8.25
6/1/1999	29.35	63.2	58.65	52.5	8.25
7/1/1999	30.5	65	61.03	53.5	8.55
8/1/1999	32.65	66.5	61.03	54.7	8.55
9/1/1999	35.1	68.2	61.03	55.5	8.55
10/1/1999	37.25	69	63.5	56	8.35
11/1/1999	39.2	69	64.77	57.5	9.35
12/1/1999					
1/1/2000	42.15	70.5	66.08	58.5	9.35
2/1/2000	44.05	71.2	67.5	59.7	9.6
3/1/2000	45.95	73.1	71.5	60.5	9.6
4/1/2000	48.35	75	72.7	61	10.2
5/1/2000	50.45	76.5	77.5	61	11

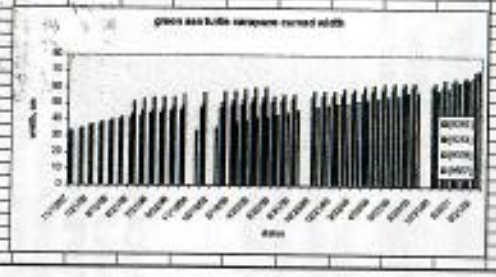












Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown

.....2001...

17.Jul cm, straight length-73.7 cm, head width-10.2 cm. Digital photos of PE were taken and saved on disk.
Blood sample collected - heparin and serum.
LAB: CBC, serum chemistry.
PLAN: Await lab results. Plan to contact staff in Hawaii to send photos and PE data. (EJO)
LAB: CBC is essentially normal. Panel shows mild elevations of uric acid, CPK and decreased phosphorus. (JMR)
Weight: 56.26 Kg (124.0 Lb)

.....2002...

21.May Blood sample: (Heparin) (14:00:0) Hematology/Chemistry/Serology result
WBC:9.00 *10^3/UL; HCT: 38.0%;
LAB: CBC is WNL's. (JMR)
HX: Preshipment exam.
PE/PROC: Limited physical exam was within normal limits. Weight was taken, pictures were taken, and blood was drawn. Weight was 166 pounds. Best blood sample was taken from just off the midline, 1/3 of the way down the neck from the carapace. CBC submitted, serum banked.
ASSESSMENT: OK for shipping.
PLAN: Await lab results. (TMB)

.....2003...

17.Jun Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:22.00 *10^3/UL; HCT: 40.0%;
HX: Routine physical exam. Monitoring for signs of papillomavirus. Keeper reports this turtle has gained 25 lbs in the last six months, while the other turtles have gained 12 lbs. Manual restraint.
PE/VE: BAR. No papillomas present. 0.5 cm area of soft tissue on right cranial carapace. Mouth, carapace, plastron and vent appear normal.
PROCS: Weighed, carapace and head measurements taken, and venipuncture of the dorsal cervical sinus.
LAB: CBC, chem., serum and plasma bank.
ASSESSMENT: Healthy sea turtle.
PLAN: Status quo pending lab results. (LCR) (JMR)
HEMATOLOGY RESULTS: CBC indicates high normal WBC count (22.0) with a lymphocytosis. Chelonaplasma present; chemistry WNL. (mmw) (ZZ0)
Weight: 96.64 Kg (213.0 Lb)

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown

.....1998...

15.Nov Obtained from another institution.

16.Dec Blood sample: (Heparin) (10:40.0) Hematology/Chemistry/Serology result
WBC:18.00 *10^3/UL; HCT: 30.0%;
HX: Quarantine exam.
PE: BAR. Appears healthy.
LAB: CBC shows a mild anemia and mild lymphocytosis. Panel shows a mild hypocalcemia and hyponatremia.
ASSESS: Blood abnormalities are probably inconsequential.
PLAN: Recheck bloodwork prior to animal leaving quarantine. (JMR)
Weight: 8.4 Kg (18.5 Lb)

.....1999...

29.Apr Blood sample: (Heparin) (11:10.0) Hematology/Chemistry/Serology result
WBC:13.00 *10^3/UL; HCT: 40.0%;
HX: Quarantine exam. Ready to be moved to MEC.
PE: wnl.
LAB: cbc, mild increase in HCT, rest of cbc is wnl. Chems., Mild increase in T.P., ALT and AST, rest of chems are wnl.
PLAN: ok to transfer to MEC. (KRP)
Weight: 12.65 Kg (27.9 Lb)

.....2000...

15.Sep Blood sample: (Heparin) (10:15.0) Hematology/Chemistry/Serology result
WBC:14.60 *10^3/UL; HCT: 35.0%;
Lipemia

20.Sep LAB RESULTS: CBC shows mild lymphocytosis, no moncytes and no basophils. Chemistry profile shows slightly increased uric acid, increased AST, and increased CPK. (MJW)

.....2001...

15.Jul Parasitology examination: (PRESHIPMENT EXAMINATION) Fecal sample. NEGATIVE

17.Jul Blood sample: (Heparin) (13:40.0) Hematology/Chemistry/Serology result
WBC:11.80 *10^3/UL; HCT: 32.0%;
Lipemia
HX: Routine physical exam. Bloodwork, measurements, oral exam, photos.
RESTRAINT: Manual.
PE/PROC: No papillomas observed in mouth. PE was WNL. Morphometric measurements: shell length (curve)-78.0 cm, shell width (curve)-65.0

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown
Age: Unknown> 5Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 96.64 Kg on 17.Jun.2003
Manual restraint used.

Date of Collection: 17.Jun.2003
Time of Collection:
Collected by:

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: MARSHFIELD NMP
Date of Analysis: 18.Jun.2003
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	± S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	<	79	117.6	± 23.9	79.00	157.0	(9)
URIC ACID	MG/DL	>	2.1	1.275	± 0.477	0.500	2.100	(8)
CA	MG/DL	>	9.3	8.222	± 0.756	7.000	9.300	(9)
PHOS	MG/DL		7.4	5.900	± 2.004	6.400	11.90	(9)
Ca/P ratio			1.26					
NA	MEQ/L		154	156.7	± 4.6	150.0	164.0	(9)
K	MEQ/L		4.3	4.744	± 1.204	3.600	7.700	(9)
Na/K ratio			35.8					
CL	MEQ/L		114	118.1	± 4.5	113.0	125.0	(9)
HCO3	MMOL/L		26	29.14	± 5.55	19.00	35.00	(7)
CHOL	MG/DL		260	244.0	± 49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL	>	6.2	5.200	± 0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		6.2	6.117	± 1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>	614	378.0	± 155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L		19	21.71	± 16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L	<	23	63.33	± 40.30	23.00	162.0	(9)
LDH	IU/L		52	77.75	± 39.43	52.00	167.0	(8)
CPK	IU/L		816	538.5	± 285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		18	13.71	± 8.38	6.000	29.00	(7)
GGT	IU/L		<3					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: **ATLANTIC GREEN TURTLE**
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown
Age: Unknown> 4Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 56.26 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 21.May.2002
Time of Collection: 14:00.0
Collected by: KLK
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 21.May.2002
Time of Analysis:
Analysis by: KLK
Automated analysis.

Tests and Results >>

			In-House Reference Values >>			
			Mean	S.D.	Min.	Max.	(N)
T.PROT. (R)	GM/DL	6.6	6.117	± 1.384	4.600	9.800	(12)

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown
Age: Unknown> 3Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 56.26 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 17.Jul.2001
Time of Collection: 13:40.0
Collected by: JLP
Sample Collection Site: JUGLAR SINUS

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: lipemia

Laboratory: MARSHFIELD NMP
Date of Analysis: 18.Jul.2001
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		104	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	>	1.8	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.3	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	<	6.6	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			1.26					
NA	MEQ/L		155	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		5.2	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			29.8					
CL	MEQ/L		117	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L		32	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		210	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		4.8	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL	>	7.6	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L		419	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L		16	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		32	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		105	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L	>>	1809	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		11	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown
Age: Unknown> 2Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 38.30 Kg on 29.Aug.2000
Manual restraint used.

Date of Collection: 15.Sep.2000
Time of Collection: 10:15.0
Collected by: JLP
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: lipemia

Laboratory: MARSHFIELD NMP
Date of Analysis: 15.Sep.2000
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

			In-House Reference Values >>				
			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	110	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	> 1.8	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	7.7	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	7.2	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio		1.07					
NA	MEQ/L	155	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L	4.5	4.744±	1.204	3.600	7.700	(9)
Na/K ratio		34.4					
CL	MEQ/L	116	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	31	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL	< 189	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL	5.0	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL	5.0	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	> 632	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	25	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L	38	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L	73	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L	>> 1826	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L	13	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L	<3					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: 8-24 hours
Activity: Calm
Weight: 12.65 Kg on 29.Apr.1999
Manual restraint used.

Date of Collection: 29.Apr.1999
Time of Collection: 11:10.0
Collected by: KRP
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (Heparin)
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: MARSHFIELD NMP
Date of Analysis: 29.Apr.1999
Time of Analysis:
Analysis by: JLP
Automated analysis.

Tests and Results >>

			In-House Reference Values >>				
			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	122	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	1.2	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	8.4	9.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	7.8	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio		1.08					
NA	MEQ/L	154	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L	4.4	4.744±	1.204	3.600	7.700	(9)
Na/K ratio		35.0					
CL	MEQ/L	121	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	31	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL	206	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL	5.0	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL	5.0	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	351	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	56	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L	56	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L	53	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L	<190	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L	6	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L	<5					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Tag/Band: ZF76

Accession #: 9567
Unknown
Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 8.4 Kg on 16.Dec.1998
Manual restraint used.

Date of Collection: 16.Dec.1998
Time of Collection: 10:40.0
Collected by: LK
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: MARSHFIELD NMP
Date of Analysis: 16.Dec.1998
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		135	117.6	± 23.9	79.00	157.0	(9)
URIC ACID	MG/DL	<	0.5	1.275	± 0.477	0.500	2.100	(8)
CA	MG/DL	<	7.0	8.222	± 0.756	7.000	9.300	(9)
PHOS	MG/DL	>	11.0	8.900	± 2.004	6.400	11.90	(9)
Ca/P ratio			0.636					
NA	MEQ/L		154	156.7	± 4.6	150.0	164.0	(9)
K	MEQ/L		4.0	4.744	± 1.204	3.600	7.700	(9)
Na/K ratio			38.5					
CL	MEQ/L	>	124	118.1	± 4.5	113.0	125.0	(9)
HCO3	MMOL/L		27	29.14	± 5.55	19.00	35.00	(7)
CHOL	MG/DL	<	181	244.0	± 49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		4.5	5.200	± 0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL	<	4.6	6.117	± 1.384	4.600	9.800	(12)
AST (SGOT)	IU/L		266	378.0	± 155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L		8	21.71	± 16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		56	63.33	± 40.30	23.00	162.0	(9)
LDH	IU/L		59	77.75	± 39.43	52.00	167.0	(8)
CPK	IU/L		283	538.5	± 285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		7	13.71	± 8.38	6.000	29.00	(7)
GGT	IU/L		<3					

Comments >>
No significant hemolysis or lipemia present.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* Accession #: 9254
Common Name: ATLANTIC GREEN TURTLE Unknown
Name: THREE DOT Birth: Unknown
Tag/Band: 11533 metal ban

.....2002...

21.May and mild eosinophilia. (JMR)
HX: Preshipment exam.
PE/PROC: Limited physical exam was within normal limits. Weight was taken, pictures were taken, and blood was drawn. Weight was 187 pounds. Best blood sample was taken from just off the midline, 1/3 of the way down the neck from the carapace. CBC submitted, and serum banked.
ASSESSMENT: OK for shipping.
PLAN: Await lab results. (TMB)

.....2003...

17.Jun Blood sample: Hematology/Chemistry/Serology results.
WBC:18.80 *10^3/UL, HCT: 44.0%;
Hemolysis
HX: Routine physical exam. Monitoring for signs of papillomavirus. Keeper reports this turtle has gained approx. 12 lbs in past 6 months. Manual restraint.
PE/VE: BAR. No papillomas present. 3 cm x 4 cm area of scattered to coalescing small lesions on the dorsal neck. Mouth, carapace, plastron and vent appear normal.
PROCS: Weighed, carapace and head measurements taken, and venipuncture of the dorsal cervical sinus.
LAB: CBC, chem., serum and plasma bank.
ASSESSMENT: Healthy sea turtle. Neck lesions are likely abrasions.
PLAN: Status quo pending lab results. (LCR) (JMR)
HEMATOLOGY RESULTS: CBC indicates lymphocytosis (80%) and azurophilia (9%). Chelonaplasma present; chemistry WNL. (mmw) (ZZO)
Weight: 95.28 Kg (210.0 Lb)

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

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Scientific Name: *CHELONIA MYDAS* Accession #: 9254
Common Name: ATLANTIC GREEN TURTLE Unknown
Name: THREE DOT Birth: Unknown
Tag/Band: 11533 metal ban

==========

.....2000...

5.Oct Weight: 59.89 Kg (132.0 Lb)

11.Oct Parasitology examination: (PRESHIPMENT EXAMINATION) Fecal sample. NEGATIVE/STRONGYLES/

13.Oct Purpose/Problem: Strongyles.
Rx: FENBENDAZOLE 3000mg PO SID (50.09 mg/kg)

17.Oct Parasitology examination: (FOLLOW-UP/RECHECK EXAMINATION) Fecal sample NEGATIVE
Purpose/Problem: Strongyles.
Rx: FENBENDAZOLE 2500mg PO SID

18.Oct First treatment of fenbendazole 30cc given in food 13 October. Only got about 1/2 of dose. (EFR)

19.Oct Parasitology examination: (PRESHIPMENT EXAMINATION) Fecal sample. NO PARASITES SEEN

.....2001...

14.Jul Parasitology examination: (NOT SPECIFIED) Fecal sample. NEGATIVE

17.Jul Blood sample: (Heparin) (13:57.0) Hematology/Chemistry/Serology result
WBC:9.40 *10^3/UL; HCT: 43.0%;
Lipemia
HX: Routine physical exam. Bloodwork, measurements, oral exam, photos.
RESTRAINT: Manual.
PE/PROC: No papillomas observed in mouth. PE was WNL. Morphometric measurements: shell length (curve)-76.0 cm, shell width (curve)-54.2 cm, straight length-71.8 cm, head width-10.5 cm. Digital photos of PE were taken and saved on disk.
Blood sample collected - heparin and serum.
LAB: CBC, serum chemistry.
PLAN: Await lab results. Plan to contact staff in Hawaii to send photos and PE data. (EJO)
LAB: CBC shows an eosinophilia. Panel shows a mild elevation of AST.
ASSESS: The eosinophilia may be an indication of parasites.
PLAN: Last fecal check was negative, but may be worthwhile checking again. (JMR)

Weight: 59.89 Kg (132.0 Lb)

.....2002...

21.May Blood sample: (Heparin) (13:45.0) Hematology/Chemistry/Serology result
WBC:7.40 *10^3/UL; HCT: 46.0%;
LAB: CBC shows mild hemoconcentration (HCT-46), mild lymphopenia,

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: THREE DOT

Accession #: 9254
Unknown
Birth: Unknown
Tag/Band: 11533 metal ban

.....1998...

18.Aug area and obtain blood. (JMR)

Weight: 21.35 Kg (47.1 Lb)

.....1999...

1.Dec Scale missing on right side of head near the eye. Skin doesn't look broken or infected. (EFR)

.....2000...

1.Jun Parasitology examination: (PRESHIPMENT EXAMINATION) Fecal sample. NO PARASITES SEEN

6.Jun Blood sample: (Heparin) (13:00.0) Hematology/Chemistry/Serology result
WBC:17.00 *10^3/UL; HCT: 47.0%;
Hemolysis
HX: Preshipment exam.
PE/PROC: BAR: Appears robust. Has some abrasions on carapace.
Rest of PE is WNL's.
LAB: CBC shows a mild lymphocytic, eosinophilic leukocytosis. Panels shows elevations of AST and ALT and mild elvation of uric acid.
ASSESS: Will send results to SeaLife Park for their evaluation. (JMR)

15.Sep HX: Receiving institution requests oral exam and photos of mouth.
PE: Visual exam of oral cavity was wnl. No lesions noted.
LAB: Attempts to get blood were unsuccessful.
PLAN: Photos shown to consulting vet. Oked shipment of animal. (Dr. Brian Joseph). (KRP)

5.Oct Blood sample: (Heparin) (8:58.0) Hematology/Chemistry/Serology result
WBC:20.00 *10^3/UL; HCT: 49.0%;
HX: Preshipment exam. No clinical problems.
PE: wnl. Oral exam is normal.
LAB: CBC reveals mild heterophilia with mild eosinophilia and lymphocytosis. RBC contained chelonoplasma, significance is unknown. Chems reveals mild elevation of AST and slight decrease in Chloride. Suspect lymphocytosis is stress related due to restraint. Rest of values are probably ok, data base for comparison is quite limited in this species.
ASSESS: Healthy, ok for shipment.
PLAN: Send latest lab values to receiving institution for their approval before shipment. (KRP)

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

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Scientific Name: *CHELONIA MYDAS* Accession #: 9254
Common Name: ATLANTIC GREEN TURTLE Unknown
Name: THREE DOT Birth: Unknown
Tag/Band: 11533 metal ban

==========

.....1997...

24.Oct Obtained from another institution.

13.Nov Blood sample: (Heparin) (15:00.0) Hematology/Chemistry/Serology result
WBC:16.80 *10^3/UL; HCT: 36.5%; BUN:129 MG/DL;
HX: Quarantine exam. No clinical problems.
PE: WNL.
LAB: CBC, Chems. No normals available for comparison. Results compared to Loggerheads and to values collected on these animals before shipment.chems. Heterophils are elevated compared to before shipment, but are WNL for Loggerheads. Monocytosis. BUN is high but this is similar to Loggerheads and what was seen before shipment. Phos is elevated compared to Loggerheads but similar to preshipment, this may well be WNL for young growing animal. Na, Iron and Mg seem sl. high. Trig are probably elevated. Sgot is sl higher than before shipment.
ASSESS: Will try to collect blood periodically to attain normal database. (KRP)
Weight: 7.4 Kg (16.3 Lb)

10.Dec Right rear flipper superficial laceration noted. (EFR)

.....1998...

22.Jul Some blisters and sloughing skin on front flipper. (EFR)

18.Aug Parasitology examination: (DIAGNOSTIC EXAMINATION) Skin scraping.
BACTERIA-COCCI
HX: Diagnostic exam. Keeper noted animal had a possible dermatological problem last month when it was weighed.
PE/PROC: Has some thickened, yellow-colored slightly raised tissue which is easily debrided on the left side of the neck- several small patches in a quarter sized area with the central area appearing normal. Scrapings and fungal cultures obtained. Has similar appearing lesions in both axillary regions, (0.5cm lesion) central plastron, and under tail. The lesions due not appear to be bothering the animal except when I collected samples. Attempted, but was unsuccessful at obtaining a blood sample.
LAB: Fungal culture of lesion did not grow any significant organisms. Cytology of lesion showed squamous epithelia cells, diplococci and rods.
ASSESS: Does not appear to be a serious problem at this point and will likely be self-limiting.
PLAN: Monitor closely and if does not resolve or gets worse, biopsy

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 6Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 80.76 Kg on 17.Jun.2003
Manual restraint used.

Date of Collection: 17.Jun.2003
Time of Collection:
Collected by:

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 17.Jun.2003
Time of Analysis: 15:30
Analysis by: JLP
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	16.8		14.38±	4.93	6.600	22.00	(12)
HCT	%	48		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	17	(2.856)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL) >	77	(12.94)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	0		0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	2	(0.336)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	4	(0.672)	1.039±	0.576	0.168	2.184	(11)
METAMYELOCYT	% (*10^3/UL)	0		0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		ADQ						

Morphology Results >>
ANISOCYTOSIS 1+ POLYCHROMAS. 1+

Comments >>
RBC: Normal Morphology. Chelonaplasma on RBCs.
WBC: Normal Morphology. WBC is estimate.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 6Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 80.76 Kg on 17.Jun.2003
Manual restraint used.

Date of Collection: 17.Jun.2003
Time of Collection:
Collected by:

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: MARSHFIELD NMP
Date of Analysis: 18.Jun.2003
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		97	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL		1.0	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.8	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	<	6.4	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			1.38					
NA	MEQ/L		159	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		5.0	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			31.8					
CL	MEQ/L		116	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	<	19	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		242	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL	>	6.3	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		7.0	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L		263	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L		<5	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		61	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		100	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L	>	914	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L	>	29	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 5Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 73.05 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 21.May.2002
Time of Collection: 13:15.0
Collected by: JLP
Sample Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 21.May.2002
Time of Analysis:
Analysis by: KLK
Manual analysis.

Tests and Results >>

					In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	<	6.6		14.38±	4.93	6.600	22.00	(12)
HCT	%	>	47		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	<	25	(1.650)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)		0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	<	62	(4.092)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)		2	(0.132)	0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)		5	(0.330)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	>	3	(0.198)	0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	<	3	(0.198)	1.039±	0.576	0.168	2.184	(11)
PLATE. EST.			ADQ						

Morphology Results >>
POLYCHROMAS. 1+

Comments >>
RBC: Normal Morphology.
WBC: Normal Morphology.

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 21.May.2002
Time of Analysis:
Analysis by: KLK
Automated analysis.

Tests and Results >>

			In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
T.PROT. (R)	GM/DL	6.8	9.117±	1.384	4.600	9.800	(12)

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* — Accession #: 9255
Common Name: ATLANTIC GREEN TURTLE — Unknown
Name: TWO DOT — Birth: Unknown
Age: Unknown> 4Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 73.05 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 17.Jul.2001
Time of Collection: 13:27.0
Collected by: JMR
Sample Collection Site: JUGULAR SINUS

Hematology >>

Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 18.Jul.2001
Time of Analysis: 10:00
Analysis by: KLK
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	< 8.8		14.38±	4.93	6.600	22.00	(12)
HCT	%	44		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	37	(3.256)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	< 46	(4.048)	3.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	6	(0.528)	0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	5	(0.440)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	>> 5	(0.440)	0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	< 1	(0.088)	1.039±	0.576	0.168	2.184	(11)

Morphology Results >>
ANISOCYTOSIS 1+

Comments >>
RBC: Normal Morphology. WBC: Normal Morphology.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 4Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 73.05 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 17.Jul.2001
Time of Collection: 13:27.0
Collected by: JMR
Sample Collection Site: JUGULAR SINUS

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: lipemia

Laboratory: MARSHFIELD NMP
Date of Analysis: 18.Jul.2001
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		96	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL		1.6	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.1	9.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	<	6.5	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			1.25					
NA	MEQ/L		154	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		4.8	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			32.1					
CL	MEQ/L	<	111	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	>	36	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		218	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		4.8	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		7.4	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L		446	478.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L		14	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		33	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		89	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L		403	638.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		12	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 24.60 Kg on 16.Mar.1999
Manual restraint used.

Date of Collection: 16.Mar.1999
Time of Collection: 12:45.0
Collected by: JMR
Sample Collection Site: VENOUS SINUS

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 16.Mar.1999
Time of Analysis: 13:45
Analysis by:
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	18.0		14.38±	4.93	6.600	22.00	(12)
HCT	%	45		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	20	(3.600)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	56	(10.08)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	3	(0.540)	0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)>>	6	(1.080)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)>>	15	(2.700)	1.039±	0.576	0.168	2.184	(11)
METAMYELOCYT	% (*10^3/UL)	0		0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		ADQ						

Morphology Results >>
ANISOCYTOSIS 1+; POLYCHROMAS. 1+

Comments >>
RBC: Normal Morphology.
WBC: Normal Morphology.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 24.60 Kg on 16.Mar.1999
Manual restraint used.

Date of Collection: 16.Mar.1999
Time of Collection: 12:45.0
Collected by: JMR
Sample Collection Site: VENOUS SINUS

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: lipemia

Laboratory: MARSHFIELD NMP
Date of Analysis: 16.Mar.1999
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		99	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL		1.3	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	<	7.3	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL		7.0	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			1.04					
NA	MEQ/L	<	151	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		3.9	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			38.7					
CL	MEQ/L	<	113	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L		29	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		255	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		4.8	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		5.6	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>>	982	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	>>	82	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		90	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		58	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L		400	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		13	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

Comments >>
No significant hemolysis or lipemia present.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: **ATLANTIC GREEN TURTLE**
Name: **TWO DOT**

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Excited
Weight: 20.75 Kg on 22.Dec.1998
Manual restraint used.

Date of Collection: 5.Jan.1999
Time of Collection: 10:30.0
Collected by: RW

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: lipemia, hemolysis

Laboratory: MZG
Date of Analysis: 5.Jan.1999
Time of Analysis: 12:00
Analysis by: KLK
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	14.0		14.38±	4.93	6.600	22.00	(12)
HCT	%	42		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	31	(4.340)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	45	(6.300)	8.926±	3.813	3.330	16.28	(12)
EOSINOPHILS	% (*10^3/UL) >>	8	(1.120)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL) >>	16	(2.240)	1.039±	0.576	0.168	2.184	(11)
PLATE. EST.		ADQ						

Morphology Results >>
POLYCHROMAS. 1+

Comments >>
RBC: Normal.
WBC: Normal.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Excited
Weight: 20.75 Kg on 22.Dec.1998
Manual restraint used.

Date of Collection: 5.Jan.1999
Time of Collection: 10:30.0
Collected by: RW

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (EDTA)
Storage: Fresh
Sample Quality: lipemia, hemolysis

Laboratory: MARSHFIELD NMP
Date of Analysis: 5.Jan.1999
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >>				
				Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		122	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	>>	2.6	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.0	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL		10.2	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			0.784					
NA	MEQ/L	<	150	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		5.5	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			27.3					
CL	MEQ/L		118	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	<	21	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		269	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		5.6	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		7.0	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>>	986	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	>>	56	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		82	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		73	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L		554	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		17	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

Comments >>

GLU: The specimen is moderately hemolyzed. Moderate hemolysis interferes with certain serum Chemistry results, Bilirubin, Total Protein, Creatinine, SDH, and LDH may be falsely increased. T4 result may be falsely decreased. In Bovine and Equinesamples, Potassium maybe falsely increased.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 20.0 Kg on 12.Dec.1998
Manual restraint used.

Date of Collection: 17.Dec.1998
Time of Collection: 8:55.0
Collected by: LK
Sampl- Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: hemolysis

Laboratory: MZG
Date of Analysis: 17.Dec.1998
Time of Analysis: 9:40
Analysis by:
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	>> 30.0		14.38±	4.93	6.600	22.00	(12)
HCT	%	44		40.46±	6.01	30.00	49.00	(12)
HETERPHILS	% (*10^3/UL)	>> 60	(18.00)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	25	(7.500)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	0		0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	>> 6	(1.800)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	>> 9	(2.700)	1.039±	0.576	0.168	2.164	(11)
METAMYELOCYT	% (*10^3/UL)	0		0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		CLUMP						

Morphology Results >>
ANISOCYTOSIS 1+

Comments >>
RBC: Normal.
WBC: Normal.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 20.0 Kg on 12.Dec.1998
Manual restraint used.

Date of Collection: 17.Dec.1998
Time of Collection: 8:55.0
Collected by: LK
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: MARSHFIELD NMP
Date of Analysis: 17.Dec.1998
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >>				
				Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		141	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	<	0.7	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	<<	6.6	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL		8.6	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			0.767					
NA	MEQ/L	<	151.0	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L	<	3.5	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			43.1					
CL	MEQ/L	<	111	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L		30	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL	>>	410	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		5.9	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		7.2	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>>	1373	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	>	51	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L	>	115	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		44	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L		608	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		14	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

Comments >>
No significant hemolysis or lipemia present.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* Accession #: 9255
Common Name: **ATLANTIC GREEN TURTLE** Unknown
Name: **TWO DOT** Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 20.0 Kg on 12.Dec.1998
Manual restraint used.

Date of Collection: 12.Dec.1998
Time of Collection: 12:15.0
Collected by: JMR

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: hemolysis

Laboratory: MZG
Date of Analysis: 12.Dec.1998
Time of Analysis:
Analysis by:
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	13.6		14.38±	4.93	6.600	22.00	(12)
HCT	%	46		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	35	(4.760)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	47	(6.392)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	0		0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	> 7	(0.952)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	11	(1.496)	1.039±	0.576	0.168	2.184	(11)
METAMYELOCYT	% (*10^3/UL)	0		0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		ADQ						

Morphology Results >>
POIKILOCYTES 1+, POLYCHROMAS. 1+

Comments >>
RBC: Normal.
WBC: Normal.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 20.0 Kg on 12.Dec.1998
Manual restraint used.

Date of Collection: 12.Dec.1998
Time of Collection: 12:15.0
Collected by: JMR

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (Heparin)
Storage: Fresh
Sample Quality: hemolysis

Laboratory: MZG
Date of Analysis: 12.Dec.1998
Time of Analysis: 15:30
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >>				
				Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	>>	168	117.6±	23.9	79.00	157.0	(9)
BUN	MG/DL		83.3	112.3±	52.0	54.00	154.0	(3)
CREAT.	MG/DL		<0.2	0.000±	0.000	0.000	0.000	(3)
URIC ACID	MG/DL		1.5	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	<	7.2	8.222±	0.756	7.000	9.300	(9)
CHOL	MG/DL	>>	383	244.0±	49.6	181.0	354.0	(9)
TRIG	MG/DL	>>	1238	798.5±	188.8	665.0	932.0	(2)
T.PROT. (R)	GM/DL	<	4.5	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>>	2009	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	>>	183	21.71±	16.50	8.000	56.00	(7)
T. BILI.	MG/DL		<0.1	0.367±	0.289	0.200	0.700	(3)
AMYLASE	U/L		621	±				()
ALK.PHOS.	IU/L	>>	382	63.33±	40.30	23.00	162.0	(9)
GGT	IU/L		>500					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Active
Weight: 7.05 Kg on 13.Nov.1997
Manual restraint used.

Date of Collection: 13.Nov.1997
Time of Collection: 15:10.0
Collected by: LK
Sample Collection Site: CERVICAL SINUS

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 13.Nov.1997
Time of Analysis: 15:30
Analysis by: GMB
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	17.0		14.38±	4.93	6.600	22.00	(12)
HCT	%	36		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL) >	39	(6.630)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	56	(9.520)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	2	(0.340)	0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL) <	1	(0.170)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.196	(12)
METAMYELOCYT	% (*10^3/UL) >>	2	(0.340)	0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		ADQ						

Morphology Results >>
ANISOCYTOSIS 1+, POIKILOCYTES 1+

Comments >>
Immature RBC's 0-3 hpf.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Active
Weight: 7.05 Kg on 13.Nov.1997
Manual restraint used.

Date of Collection: 13.Nov.1997
Time of Collection: 15:10.0
Collected by: LK
Sample Collection Site: CERVICAL SINUS

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: SMITHKLINE
Date of Analysis: 13.Nov.1997
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >>				
				Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	>	157	117.6±	23.9	79.00	157.0	(9)
BUN	MG/DL		154	112.3±	52.0	54.00	154.0	(3)
CREAT.	MG/DL		0.0	0.000±	0.000	0.000	0.000	(3)
URIC ACID	MG/DL		1.4	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.2	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	>	11.9	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			0.689					
NA	MEQ/L	>	163	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		3.6	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			45.3					
CL	MEQ/L	>	125	118.1±	4.5	113.0	125.0	(9)
FE (SERUM)	MCG/DL		600	443.0±	261.6	141.0	600.0	(3)
MG	MG/DL		5.6	6.000±	0.566	5.600	6.400	(2)
CHOL	MG/DL		223	244.0±	49.6	181.0	354.0	(9)
TRIG	MG/DL		932	798.5±	188.8	665.0	932.0	(2)
T.PROT. (C)	GM/DL	<	4.4	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		5.2	6.117±	1.384	4.600	9.800	(12)
ALBUMIN (C)	GM/DL		2.0	2.367±	0.635	2.000	3.100	(3)
GLOBULIN (C)	GM/DL		2.4	2.333±	0.306	2.000	2.600	(3)
Alb/Glob rat			0.833					
AST (SGOT)	IU/L		291	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L		16	21.71±	16.50	8.000	56.00	(7)
T. BILI.	MG/DL		0.2	0.367±	0.289	0.200	0.700	(3)
ALK.PHOS.	IU/L	>>	162	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		56	77.75±	39.43	52.00	167.0	(8)
A/G RATIO	GM/DL		0.8	0.800±	0.000	0.800	0.800	(2)
BUN/CREAT	MG/DL		NOCALC					
GGT	IU/L		0	0.000±	0.000	0.000	0.000	(2)
FE BINDING	UG/DL		991	1006±	21	991.0	1021	(2)

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Active
Weight: 7.05 Kg on 13.Nov.1997
Manual restraint used.

Date of Collection: 13.Nov.1997
Time of Collection: 15:10.0
Collected by: LK
Sample Collection Site: CERVICAL SINUS

Chemistry >>

Tests and Results >>		In-House Reference Values >>
FE SATURATN. %	61	59.50± 2.12 58.00 61.00 (2)

Comments >>
Urea nitrogen (BUN), creatinine, sodium, chloride, magnesium, phosphorus, protein (total), albumin, GGT results verified by repeat determination. Iron (total), triglycerides results obtained after specimen was diluted and assay repeated.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* Accession #: 9255
Common Name: ATLANTIC GREEN TURTLE Unknown
Name: TWO DOT Birth: Unknown
Tag/Band: 11531 LEFT FRON

.....2003...
17.Jun PLAN: Status quo pending lab results. Continue to monitor hind right flipper. (LCR) (JMR)
HEMATOLOGY RESULTS: CBC WNL, Chelonaplasma present; chemistry WNL (mmw) (ZZO)

Weight: 80.76 Kg (178.0 Lb)

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Tag/Band: 11531 LEFT FRON

.....2001...

17.Jul PE/PROC: No papillomas observed in mouth, the carapace has some abrasions from wedging itself under the rockwork on exhibit. PE was WNL. Morphometric measurements: shell length (curve)-80.5 cm, shell width (curve)-67.0 cm, straight length-77.0 cm, head width-11.7 cm. Digital photos of PE were taken and saved on disk.
Blood sample collected - heparin and serum.
LAB: CBC, serum chemistry.
PLAN: Await lab results. Plan to contact staff in Hawaii to send photos and PE data. (EJO)
LAB: CBC shows a mild basophilia and mild hemoconcentration. Panel shows a mild decrease in chloride, phosphorous and glucose. (JMR)
Weight: 73.05 Kg (161.0 Lb)

.....2002...

21.May Blood sample: (Heparin) (13:15.0) Hematology/Chemistry/Serology result
WBC:6.60 *10^3/UL; HCT: 47.0%;
LAB: CBC shows mild hemoconcentration (HCT-47) and mild leukopenia. (JMR)
HX: Preshipment exam.
PE/PROC: Limited physical exam was within normal limits. Weight was taken, pictures were taken, and blood was drawn. Weight was 155 pounds. Best blood sample was taken from just off the midline, 1/3 of the way down the neck from the carapace. CBC submitted, and serum banked.
ASSESSMENT: OK for shipping
PLAN: Await lab results. (TMB)

.....2003...

17.Jun Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:16.80 *10^3/UL; HCT: 48.0%;
HX: Routine physical exam. Monitoring for signs of papillomavirus. Keeper reports this turtle has gained approx. 12 lbs in past 6 months. Also, hind right flipper was bitten by a shark on 14 Jun 2003. Manual restraint.
PE/VE: BAR. No papillomas present. Hind right flipper has 4 full-thickness lacerations from the shark bite. No visible swelling. Mouth, carapace, plastron and vent appear normal.
PROCS: Weighed, carapace and head measurements taken, and venipuncture of the dorsal cervical sinus.
LAB: CBC, chem., serum and plasma bank.
ASSESSMENT: Healthy sea turtle.

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Tag/Band: 11531 LEFT FRON

.....1999...

1.Jan Purpose/Problem: Shark bite.
Rx: ENROFLOXACIN 114mg PO q48h for 3 doses. (5.70 mg/kg)
5.Jan Blood sample: (EDTA) (10:30.0) Hematology/Chemistry/Serology results.
WBC:14.00 *10^3/UL; HCT: 42.0%;
Hemolysis; Lipemia
HX: Animal is using flipper well. Eating ok. Keepers want to release animal from holding pool into main tank again.
PE: Small 1 cm soft raised area over joint, does not appear to be painful on joint manipulation. Laceration is slowly healing.
Animal is BAR.
LAB: CBC, chems.
PLAN: Ok to release into pool. Observe closely.
LAB RESULTS: HCT elevated at 42. WBC is normal at 14,000. Eosinophilia noted, rest of cbc is wnl. Reversed ca:phos ratio. SGOT is elevated at 986 but down from last time.
PLAN: Recheck blood values in another 2-4 wk. Ok to release to exhibit pool. (KRP)

16.Mar Blood sample: (Heparin) (12:45.0) Hematology/Chemistry/Serology result
WBC:18.60 *10^3/UL; HCT: 45.0%;
Lipemia
HX: Recheck exam.
PE: Lacerations appear well healed.
LAB: CBC shows a mild eosinophili and lymphocytosis. Panel shows elevated AST and ALT.
PLAN: Recheck bloodwork next time animal is weighed. (JMR)

.....2000...

15.Sep Parasitology examination: (PRESHIPMENT EXAMINATION) Fecal sample.
NO PARASITES SEEN

.....2001...

13.Jul Parasitology examination: (ROUTINE EXAMINATION) Fecal sample.
NEGATIVE
17.Jul Blood sample: (Heparin) (13:27.0) Hematology/Chemistry/Serology result
WBC:8.80 *10^3/UL; HCT: 44.0%;
Lipemia
HX: Routine physical exam. Bloodwork, measurements, oral exam, photos.
RESTRAINT: Manual.

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* Accession #: 9255
Common Name: **ATLANTIC GREEN TURTLE** Unknown
Name: **TWO DOT** Birth: Unknown
Tag/Band: **11531 LEFT FRON**

.....1998...

12.Dec bite. Animal is not using right flipper when swims. Eating ok.
PE: Superficial laceration on dorsal aspect of right flipper, granulating in. Two deeper lacerations on ventral aspect, each about 10-12 cm long. All joints palpate normally. 2 short lacerations through skin under neck, about 1 cm long.
RADIOGRAPHS: DV of flipper, no boney lesions.
PROCEDURE: Sutured deeper lacerations on ventral side with 0 vicryl. No anesthesia used. Animal responded very little to the procedure.
LAB: CBC, chems.
PLAN: Keep away from sharks until healed and animal is using flipper well again. Animal used flipper well immediately after returned to tank, but suspect he will start favoring it again later today. (KRP)
Weight: 20.0 Kg (44.1 LB)

13.Dec OBS: Keeper reports animal did not eat at all for AM feeding, but ate some in PM. Uses right flipper to a limited extent. (JMR)

14.Dec OBS: Aquarist reports that the animal ate 2 squid today.
LAB: Bloodwork from 12 Dec. 1998- CBC shows hemoconcentration and mild eosinophilia. Panel shows marked elevations of AST, ALT, GGT, triglycerides and alk phos. (JMR)

15.Dec OBS: Aquarist reports turtle ate a couple of squid and half a herring. Is slightly more active, but is notusing right flipper very well. (JMR)

17.Dec Blood sample: (Heparin) (8:55.0) Hematology/Chemistry/Serology result
WBC:30.00 *10^3/UL; HCT: 44.0%;
Hemolysis
HX: Recheck exam. Animal is eating somewhat better, but is still quite lethargic and is not using right flipper very well.
PE: Sutures are holding in laceration and there is no discharge, but it does not appear to be healing either. Animal gave up with little struggle and seems relatively weak.
LAB: CBC shows a heterophilic, monocytic, eosinophilic leukocytosis and moderate hemoconcentration. Panel shows reduced calcium, sodium, chloride and phosphorous. AST, total protein and ALT are markedly elevated.
ASSESS: CBC is consistent with a bacterial infection.
PLAN: Begin enrofloxacin treatment. (JMR)

18.Dec Purpose/Problem: Shark bite wounds.
Rx: ENROFLOXACIN 113.5mg eod for 7 days.

30.Dec Baytril 20 given orally on 18, 20 and 22 December. Appears to be moving and eating better each day. Continue antibiotics one more week. (EFR)

Medical History Report - Summary for Individual Specimen
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Tag/Band: 11531 LEFT FRON

.....1997...

24.Oct Obtained from another institution.
Parasitology examination: (NOT SPECIFIED) Fecal sample. NEGATIVE

13.Nov Blood sample: (Heparin) (15:10.0) Hematology/Chemistry/Serology result
WBC:17.00 *10^3/UL; HCT: 36.0%; BUN:154 MG/DL;
HX: Quarantine exam. No clinical problems.
PE: WNL.
LAB: CBC, chems: No normals available for comparison. Results compared to Loggerheads and to values collected on these animals before shipment. Lymphocytosis. BUN is high but this is similar to Loggerheads and what was seen before shipment. Phos is elevated compared to Loggerheads but similar to preshipment, this may well be WNL for young growing animal. Na, Iron and Mg seem sl. high. Trig are elevated.
ASSESS: Will try to collect blood periodically to attain normal database. (KRP)

Weight: 7.05 Kg (15.5 Lb)

10.Dec HX: No clinical problems. Ultrasound today for interest.
ULTRASOUND by Ralph Weiselbaum: Could visualize intestines, liver, and lung. (KRP)

12.Dec HX: Received small laceration on left front flipper. Suspect this due to shark. (KRP)

.....1998...

22.Jul Some blisters and sloughing skin on neck. (EFR)

16.Aug HX: Diagnostic exam. Keeper noted animal had a possible dermatological problem last month when it was weighed.
PE: Has 3 distinct (approx 0.8cm) lesions on the right side of its neck- skin is grey and appears as though it may slough. There is a grey piece of skin (approx 1.5 x .5cm) sloughing on the left dorsal aspect of the neck.
ASSESS: Problem appears to be resolving.
PLAN: Continue to monitor. (JMR)

Weight: 17.25 Kg (38.0 Lb)

12.Dec Blood sample: (Heparin) (12:15.0) Hematology/Chemistry/Serology result
WBC:13.60 *10^3/UL; HCT: 46.0%; BUN:83 MG/DL;
Hemolysis
HX: Diagnostic exam. Keeper reported that this animal received laceration on right flipper several days ago. Suspect sand tiger

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 6Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 80.76 Kg on 17.Jun.2003
Manual restraint used.

Date of Collection: 17.Jun.2003
Time of Collection:
Collected by:

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 17.Jun.2003
Time of Analysis: 15:30
Analysis by: JLP
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	16.8		14.38±	4.93	6.600	22.00	(12)
HCT	%	48		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	17	(2.856)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL) >	77	(12.94)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	0		0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	2	(0.336)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	4	(0.672)	0.039±	0.576	0.168	2.184	(11)
METAMYELOCYT	% (*10^3/UL)	0		0.048±	0.127	0.000	0.336	(7)
PLATE. EST		ADQ						

Morphology Results >>
ANISOCYTOSIS 1+, POLYCHROMAS: 1+

Comments >>
RBC: Normal Morphology. Chelonaplasma on RBCs.
WBC: Normal Morphology. WBC is estimate.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 6Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 80.76 Kg on 17.Jun.2003
Manual restraint used.

Date of Collection: 17.Jun.2003
Time of Collection:
Collected by:

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: MARSHFIELD NMP
Date of Analysis: 18.Jun.2003
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		97	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL		1.0	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.8	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	<	6.4	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			1.38					
NA	MEQ/L		159	155.7±	4.6	150.0	164.0	(9)
K	MEQ/L		5.0	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			31.8					
CL	MEQ/L		116	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	<	19	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		242	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL	>	6.3	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		7.0	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L		263	378.0±	155.4	253.0	678.0	(9)
ALT (SGPT)	IU/L		<5	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		61	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		100	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L	>	914	938.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L	>	29	13.71±	8.39	6.000	29.00	(7)
GGT	IU/L		<3					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* — Accession #: 9255
Common Name: ATLANTIC GREEN TURTLE — Unknown
Name: TWO DOT — Birth: Unknown
Age: Unknown> 5Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 73.05 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 21.May.2002
Time of Collection: 13:15.0
Collected by: JLP
Sample Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 21.May.2002
Time of Analysis:
Analysis by: KLK
Manual analysis.

Tests and Results >> / **In-House Reference Values >>**

					Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	<	6.6		14.38±	4.93	6.600	22.00	(12)
HCT	%	>	47		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	<	25	(1.650)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)		0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	<	62	(4.092)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)		2	(0.132)	0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)		5	(0.330)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	>	3	(0.198)	0.043±	0.079	0.000	0.196	(12)
AZUROPHILS	% (*10^3/UL)	<	3	(0.198)	1.039±	0.576	0.168	2.184	(11)
PLATE. EST.			ADQ						

Morphology Results >>
POLYCHROMAS. 1+

Comments >>
RBC: Normal Morphology.
WBC: Normal Morphology.

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 21.May.2002
Time of Analysis:
Analysis by: KLK
Automated analysis.

Tests and Results >> / **In-House Reference Values >>**

			Mean	S.D.	Min.	Max.	(N)
T.PROT. (R)	GM/DL	6.6	6.117±	1.384	4.600	9.800	(12)

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: **ATLANTIC GREEN TURTLE**
Name: **TWO DOT**

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 4Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 73.05 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 17.Jul.2001
Time of Collection: 13:27.0
Collected by: JMR
Sample Collection Site: JUGULAR SINUS

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 18.Jul.2001
Time of Analysis: 10:00
Analysis by: XLK
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	8.8		14.38±	4.93	6.600	22.00	(12)
HCT	%	44		40.45±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	37	(3.256)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	46	(4.048)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	6	(0.528)	0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	5	(0.440)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	5	(0.440)	0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	1	(0.088)	0.039±	0.576	0.168	2.184	(11)

Morphology Results >>
ANISOCYTOSIS 1+

Comments >>
RBC: Normal Morphology. WBC: Normal Morphology.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* Accession #: 9255
Common Name: ATLANTIC GREEN TURTLE Unknown
Name: TWO DOT Birth: Unknown
Age: Unknown> 4Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 73.05 Kg on 17.Jul.2001
Manual restraint used.

Date of Collection: 17.Jul.2001
Time of Collection: 13:27.0
Collected by: JMR
Sample Collection Site: JUGULAR SINUS

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: lipemia

Laboratory: MARSHFIELD NMP
Date of Analysis: 18.Jul.2001
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >> / **In-House Reference Values >>**

			Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	96	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	1.6	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	8.1	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL	< 6.5	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio		1.25					
NA	MEQ/L	154	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L	4.8	4.744±	1.204	3.600	7.700	(9)
Na/K ratio		32.1					
CL	MEQ/L	< 111	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	> 36	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL	218	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL	4.8	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL	7.4	5.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	446	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	14	21.71±	16.50	9.000	56.00	(7)
ALK.PHOS.	IU/L	33	53.33±	40.30	23.00	162.0	(9)
LDH	IU/L	89	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L	403	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L	12	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L	<3					

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: IWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 24.60 Kg on 16.Mar.1999
Manual restraint used.

Date of Collection: 16.Mar.1999
Time of Collection: 12:45.0
Collected by: JMR
Sample Collection Site: VENOUS SINUS

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 16.Mar.1999
Time of Analysis: 13:45
Analysis by:
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	18.0		14.38±	4.93	6.600	22.00	(12)
HCT	%	45		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	20	(3.600)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	56	(10.08)	3.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	3	(0.540)	0.236±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL) >>	6	(1.080)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL) >>	15	(2.700)	1.039±	0.576	0.168	2.384	(11)
METAMYELOCYT	% (*10^3/UL)	0		0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		ADQ						

Morphology Results >>
ANISOCYTOSIS 1+, POLYCHROMAS. 1+

Comments >>
RBC: Normal Morphology.
WBC: Normal Morphology.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: **ATLANTIC GREEN TURTLE**
Name: **TWO DOT**

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 24.60 Kg on 16.Mar.1999
Manual restraint used.

Date of Collection: 16.Mar.1999
Time of Collection: 12:45.0
Collected by: JMR
Sample Collection Site: VENOUS SINUS

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: lipemia

Laboratory: **MARSHFIELD NMP**
Date of Analysis: 16.Mar.1999
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >> / **In-House Reference Values >>**

				Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		99	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL		1.3	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	<	7.3	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL		7.0	5.900±	2.004	6.400	11.90	(9)
Ca/P ratio			1.04					
NA	MEQ/L	<	151	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		3.9	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			38.7					
CL	MEQ/L	<	113	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L		29	23.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		255	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		4.8	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		5.6	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>>	982	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	>>	82	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		90	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		58	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L		400	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		13	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

Comments >>
No significant hemolysis or lipemia present.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Excited
Weight: 20.75 Kg on 22.Dec.1996
Manual restraint used.

Date of Collection: 5.Jan.1999
Time of Collection: 10:30.0
Collected by: RW

Hematology >>
Analysis Information >>
Anticoagulant: EDTA
Storage: Fresh
Sample Quality: lipemia, hemolysis

Laboratory: MZG
Date of Analysis: 5.Jan.1999
Time of Analysis: 12:00
Analysis by: KLK
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	14.0		14.36±	4.93	6.600	22.00	(12)
HCT	%	42		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	31	(4.340)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	45	(6.300)	8.926±	3.813	3.330	16.28	(12)
EOSINOPHILS	% (*10^3/UL)	8	(1.120)	0.497±	0.282	0.140	1.026	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	16	(2.240)	1.039±	0.576	0.168	2.184	(11)
PLATE. EST.		ADQ						

Morphology Results >>
POLYCHROMAS. 1+

Comments >>
RBC: Normal
WBC: Normal

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Excited
Weight: 20.75 Kg on 22.Dec.1998
Manual restraint used.

Date of Collection: 5.Jan.1999
Time of Collection: 10:30.0
Collected by: RW

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (EDTA)
Storage: Fresh
Sample Quality: lipemia, hemolysis

Laboratory: MARSHFIELD NMP
Date of Analysis: 5.Jan.1999
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		122	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	>>	2.6	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.0	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL		10.2	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			0.784					
NA	MEQ/L	<	150	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		5.5	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			27.3					
CL	MEQ/L		118	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L	<	21	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL		269	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		5.6	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		7.0	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>>	986	378.0±	155.4	263.0	672.0	(9)
ALT (SGPT)	IU/L	>>	56	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L		82	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		73	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L		554	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		17	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

Comments >>
GLU: The specimen is moderately hemolyzed. Moderate hemolysis interferes with certain serum Chemistry results, Bilirubin, Total Protein, Creatinine, SDH, and LDH may be falsely increased. T4 result may be falsely decreased. In Bovine and Equinesamples, Potassium maybe falsely increased.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: **ATLANTIC GREEN TURTLE**
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 20.0 Kg on 12.Dec.1998
Manual restraint used.

Date of Collection: 17.Dec.1998
Time of Collection: 8:55.0
Collected by: LK
Sample Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: hemolysis

Laboratory: MZG
Date of Analysis: 17.Dec.1998
Time of Analysis: 9:40
Analysis by:
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	30.0		14.38±	4.93	6.600	22.00	(12)
HCT	%	44		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	60	(18.00)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	25	(7.500)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	0		0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	6	(1.800)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
AZUROPHILS	% (*10^3/UL)	9	(2.700)	1.039±	0.576	0.168	2.184	(11)
METAMYELOCYT	% (*10^3/UL)	0		0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		CLUMP						

Morphology Results >>
ANISOCYTOSIS: 1+

Comments >>
RBC: Normal
WBC: Normal.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: **ATLANTIC GREEN TURTLE**
Name: **TWO DOT**

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 20.0 Kg on 12.Dec.1998
Manual restraint used.

Date of Collection: 17.Dec.1998
Time of Collection: 8:55.0
Collected by: LK
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Refrigerated (<48 hours)
Sample Quality: No quality problems.

Laboratory: **MARSHFIELD NMP**
Date of Analysis: 17.Dec.1998
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL		141	117.6±	23.9	79.00	157.0	(9)
URIC ACID	MG/DL	<	0.7	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL	<<	6.6	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL		8.6	8.900±	2.004	6.400	11.90	(9)
Ca/P ratio			0.767					
NA	MEQ/L	<	151	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L	<	3.5	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			43.1					
CL	MEQ/L	<	111	118.1±	4.5	113.0	125.0	(9)
HCO3	MMOL/L		30	29.14±	5.55	19.00	35.00	(7)
CHOL	MG/DL	>>	410	244.0±	49.6	181.0	354.0	(9)
T.PROT. (C)	GM/DL		5.9	6.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		7.2	6.117±	1.384	4.600	9.800	(12)
AST (SGOT)	IU/L	>>	1373	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L	>	51	21.71±	16.50	8.000	56.00	(7)
ALK.PHOS.	IU/L	>	115	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		44	77.75±	39.43	52.00	167.0	(8)
CPK	IU/L		608	538.5±	285.8	190.0	914.0	(6)
ANION GAP	MMOL/L		14	13.71±	8.38	6.000	29.00	(7)
GGT	IU/L		<3					

Comments >>
No significant hemolysis or lipemia present.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown> 1Y

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Calm
Weight: 20.0 Kg on 12.Dec.1998
Manual restraint used.

Date of Collection: 12.Dec.1998
Time of Collection: 12:15.0
Collected by: JMR

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (Heparin)
Storage: Fresh
Sample Quality: hemolysis

Laboratory: MZG
Date of Analysis: 12.Dec.1998
Time of Analysis: 15:30
Analysis by:
Automated analysis.

Tests and Results >>

GLUCOSE	MG/DL	>>	168
BUN	MG/DL		83.3
CREAT.	MG/DL		<0.2
URIC ACID	MG/DL		1.5
CA	MG/DL	<	7.2
CHOL	MG/DL	>>	383
TRIG	MG/DL	>>	1238
T.PROT. (R)	GM/DL	<	4.5
AST (SGOT)	IU/L	>>	2009
ALT (SGPT)	IU/L	>>	183
T. BILI.	MG/DL		<0.1
AMYLASE	U/L		621
ALK.PHOS.	IU/L	>>	382
GGT	IU/L		>500

In-House Reference Values >>

Mean	S.D.	Min.	Max.	(N)
117.6±	23.9	79.00	157.0	(9)
112.3±	52.0	54.00	154.0	(3)
0.000±	0.000	0.000	0.000	(3)
1.275±	0.477	0.500	2.100	(8)
8.222±	0.756	7.000	9.200	(9)
244.0±	49.6	181.0	354.0	(9)
796.5±	188.8	655.0	932.0	(2)
5.117±	1.384	4.600	9.800	(12)
378.0±	155.4	269.0	678.0	(9)
21.71±	16.50	8.000	56.00	(7)
0.367±	0.289	0.200	0.700	(3)
±				
63.33±	40.30	23.00	162.0	(9)

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS* — Accession #: 9255
Common Name: ATLANTIC GREEN TURTLE — Unknown
Name: TWO DOT — Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Active
Weight: 7.05 Kg on 13.Nov.1997
Manual restraint used.

Date of Collection: 13.Nov.1997
Time of Collection: 15:10.0
Collected by: LK
Sample Collection Site: CERVICAL SINUS

Hematology >>

Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: MZG
Date of Analysis: 13.Nov.1997
Time of Analysis: 15:30
Analysis by: GMB
Manual analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
WBC	*10^3/UL	17.0		14.38±	4.93	6.600	22.00	(12)
HCT	%	36		40.46±	6.01	30.00	49.00	(12)
HETEROPHILS	% (*10^3/UL)	> 39	(6.630)	3.856±	1.823	1.650	6.630	(12)
BANDS	% (*10^3/UL)	0		0.000±	0.000	0.000	0.000	(12)
LYMPHOCYTES	% (*10^3/UL)	56	(9.520)	8.926±	3.813	3.330	16.28	(12)
MONOCYTES	% (*10^3/UL)	2	(0.340)	0.226±	0.382	0.000	1.344	(12)
EOSINOPHILS	% (*10^3/UL)	< 1	(0.170)	0.497±	0.282	0.140	1.036	(12)
BASOPHILS	% (*10^3/UL)	0		0.043±	0.079	0.000	0.198	(12)
METAMYELOCYT	% (*10^3/UL)	>> 2	(0.340)	0.048±	0.127	0.000	0.336	(7)
PLATE. EST.		ADQ						

Morphology Results >>
ANISOCYTOSIS 1+, POIKILOCYTES 1+

Comments >>
Immature RBC's 0-3 hpf

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003 /ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report

MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Active
Weight: 7.05 Kg on 13.Nov.1997
Manual restraint used.

Date of Collection: 13.Nov.1997
Time of Collection: 15:10.0
Collected by: LK
Sample Collection Site: CERVICAL SINUS

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: SMITHKLINE
Date of Analysis: 13.Nov.1997
Time of Analysis:
Analysis by:
Automated analysis.

Tests and Results >>

				In-House Reference Values >> Mean	S.D.	Min.	Max.	(N)
GLUCOSE	MG/DL	>>	157	117.6±	23.9	79.00	157.0	(9)
BUN	MG/DL		154	112.3±	52.0	54.00	154.0	(3)
CREAT.	MG/DL		0.0	0.000±	0.000	0.000	0.000	(3)
URIC ACID	MG/DL		1.4	1.275±	0.477	0.500	2.100	(8)
CA	MG/DL		8.2	8.222±	0.756	7.000	9.300	(9)
PHOS	MG/DL		11.9	8.500±	2.004	6.400	11.90	(9)
Ca/P ratio			0.689					
NA	MEQ/L	>	163	156.7±	4.6	150.0	164.0	(9)
K	MEQ/L		3.6	4.744±	1.204	3.600	7.700	(9)
Na/K ratio			45.3					
CL	MEQ/L	>	125	118.1±	4.5	113.0	125.0	(9)
FE (SERUM)	MCG/DL		600	443.0±	261.6	141.0	600.0	(3)
MG	MG/DL		5.6	6.000±	0.566	5.600	6.400	(2)
CHOL	MG/DL		223	244.0±	49.6	181.0	354.0	(9)
TRIG	MG/DL		932	798.5±	188.8	665.0	932.0	(2)
T.PROT. (C)	GM/DL	<	4.4	5.200±	0.700	4.400	6.300	(9)
T.PROT. (R)	GM/DL		5.2	6.117±	1.384	4.600	9.800	(12)
ALBUMIN (C)	GM/DL		2.0	2.367±	0.635	2.000	3.100	(3)
GLOBULIN (C)	GM/DL		2.4	2.333±	0.306	2.000	2.600	(3)
Alb/Glob rat			0.833					
AST (SGOT)	IU/L		291	378.0±	155.4	263.0	678.0	(9)
ALT (SGPT)	IU/L		16	21.71±	16.50	8.000	56.00	(7)
T. BILI.	MG/DL		0.2	0.367±	0.289	0.200	0.700	(3)
ALK.PHOS.	IU/L	>>	162	63.33±	40.30	23.00	162.0	(9)
LDH	IU/L		56	77.75±	39.43	52.00	167.0	(8)
A/G RATIO	GM/DL		0.8	0.800±	0.000	0.800	0.800	(2)
BUN/CREAT	MG/DL		NOCALC					
GGT	IU/L		0	0.000±	0.000	0.000	0.000	(2)
FE BINDING	UG/DL		991	1006±	21	991.0	1021	(2)

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

/ISIS/MedARKS/5.32a

Clinical Pathology Records - Specimen Report
MINNESOTA ZOOLOGICAL GARDENS

Scientific Name: *CHELONIA MYDAS*
Common Name: ATLANTIC GREEN TURTLE
Name: TWO DOT

Accession #: 9255
Unknown
Birth: Unknown
Age: Unknown

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Active
Weight: 7.05 Kg on 13.Nov.1997
Manual restraint used.

Date of Collection: 13.Nov.1997
Time of Collection: 15:10.0
Collected by: LK
Sample Collection Site: CERVICAL SINUS

Chemistry >>

Tests and Results >>		In-House Reference Values >>
FE SATURATN. %	<1	39.50± 2.12 58.00 61.00 (2)

Comments >>
Urea nitrogen (BUN), creatinine, sodium, chloride, magnesium, phosphorus, protein (total), albumin, GGT results verified by repeat determination. Iron (total), triglycerides results obtained after specimen was diluted and assay repeated.

In-house reference values are for CHELONIA MYDAS
Printed on: 14.Aug.2003

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OKLAHOMA CITY ZOO
OKLAHOMA CITY, OKLAHOMA

CD
881

Veterinary Associates Laboratory

1818 East 2nd Street
Edmond, OK 73034
Phone: (405) 330- Fax: (405) 844-

TAG# E952

Patient: 7565.08 Collected: 6/27/2003 Owner: OKC ZOO Received: 6/27/2003 Species: REPTILE **Lab Number: 90277** Breed: COMMON SEA TURTL Gender: UNK Age: UNK	**OKLAHOMA CITY ZOO** 2101 NORTHEAST 50TH OKLAHOMA CITY, OK 73111 (405) 425-0265 Fax: (405) 425-0220 **Physician: SHERI HUNTRESS** OKCZ

Comments:

Hematology

Test	Result	Test	Result
WBC:	5,300 µL	SEG:	
RBC:	1.45 mil/µL	BANDS:	
HGB:	12.1 g/dL	LYMPH:	21%
HCT:	34.0%	MONO:	
MCV:	234.5 fL	EOS:	
MCH:	83.4 pg	BASO:	
MCHC:	35.6 g/dL	HETER:	79%
PLT:			
PPRO:	4.8 g/dL		

Test	Result	Test	Result
WBC Morphology:	NORMAL	SEG:	
		BANDS:	
		LYMPH:	1,113 µL
		MONO:	
		EOS:	
		BASO:	
RBC Morphology:	NORMAL	HETER:	4,187 µL

Comments:

Technologist: _____ Report Date: 6/27/2003 4:55:29 PM

VETERINARY ASSOCIATES LABORATORY

Veterinary Associates Laboratory

1818 East 2nd Street
Edmond, OK 73034
Phone: (405) 330- Fax: (405) 844-

Patient: 7565.08
Owner: OKC ZOO
Species: REPTILE
Breed: COMMON SEA TURTL
Gender: UNK
Age: UNK

Collected: 6/27/2003
Received: 6/27/2003
Lab Number: 90277

OKLAHOMA CITY ZOO
2101 NORTHEAST 50TH
OKLAHOMA CITY, OK 73111
(405) 425-0265 Fax: (405) 425-0220

Physician: SHERI HUNTRESS OKCZ

Comments:

Chemistry

Test	Result
ALKP:	37 units/L
GGT:	3 units/L
BUN:	54 mg/dL
LDH:	137 units/L
CPK:	170 units/L
AMY:	489 units/L
CHOL:	239 mg/dL
GLU:	96 mg/dL
ALB:	2.1 g/dL
TPRO:	4.6 g/dL
CA:	8.4 mg/dL
IPHOS:	6.2 mg/dL

Test	Result
AST:	298 units/L
URIC:	1.3 mg/dL
TBILI:	0.1 mg/dL
CRE:	0.5 mg/dL
ALT:	3 units/L
DBILI:	
Bile Acids	
Random:	
Fasting:	
Post Prandial:	

Test	Result
PROG:	

Test	Result
CL:	129 meq/L
CO2:	
TRI:	
LIP:	
FE:	
MG:	

Test	Result
T3:	
T4:	
PBARB:	
THEO:	
Cortisol	
Random:	
Base:	
2 hour:	
4 hour:	
8 hour:	

Test	Result
K:	4.3 meq/L
NA:	153 meq/L
GLOB:	2.5 g/dL
AG:	0.8
UPCR:	

Comments:

Technologist: _____

Report Date: 6/27/2003 4:55:28 PM

Medical History Report - Summary for Individual Specimen
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756508**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E952** Birth: **1.Aug.1998 (Estimated)**

.....1999...

2.Apr Obtained from another institution.

30.Nov Clinical note recorded. (MTB)

.....2000...

8.Jun Clinical note recorded. (CJK)
9.Jun Blood sample: Hematology/Chemistry/Serology results.
WBC:1.50 *10^3/UL; HCT: 33.0%; BUN:44 MG/DL;

.....2001...

13.Jun PROBLEM: blood collection
cloacal swab
annual examination
swab oral
Clinical note recorded. (CJK)
14.Jun Clinical note recorded. (SLH)
15.Jun Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:4.50 *10^3/UL; HCT: 34.0%; BUN:68 MG/DL;

.....2003...

27.Jun Clinical note recorded. (CLD)

Weight: 19.5 Kg (43.0 Lb)

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**

Clinical Note:
(MTB) **30.Nov.1999**

Clinical Note: **8.Jun.2000**
Procedure: preshipment examination.
Assessment: dorsal lesions resolved. deep lesions on plastron covered with necrotic membrane, but no open lesion.
Diagnostic Procedure: blood collection for CBC, Chemistry: results within normal range; cloacal swab for fecal culture: no enteric pathogens. (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **9.Jun.2000**
Time of Collection:
Collected by: CJK

Hematology >>
Analysis Information >>
Anticoagulant:
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **9.Jun.2000**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<<	1.5		*10^3/UL
RED BLOOD CELL COUNT		1.5		*10^6/UL
HEMOGLOBIN		11.1		GM/DL
HEMATOCRIT		33.0		%
MCV		220		fL
MCH		74.0		uug
MCHC		33.6		gm/dL
HETEROPHILS	<	86	(1.290)	% (*10^3/UL)
LYMPHOCYTES	<<	14	(0.210)	% (*10^3/UL)
PLASMA PROTEIN		3.3		G/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

/ISIS/MedARKS/5.31j

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **9.Jun.2000**
Time of Collection:
Collected by: CJK

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **9.Jun.2000**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE	<	98	MG/DL
BLOOD UREA NITROGEN	<	44	MG/DL
CREATININE		0.3	MG/DL
BUN/creatinine ratio		147	
URIC ACID		1.0	MG/DL
CALCIUM		7.1	MG/DL
SODIUM		149	MEQ/L
POTASSIUM		4.7	MEQ/L
sodium/potassium ratio		31.7	
CHLORIDE		121	MEQ/L
CHOLESTEROL		169	MG/DL
TOTAL PROTEIN (COLORIMETRY)	<	2.8	GM/DL
ALBUMIN (COLORIMETRY)	<	1.3	GM/DL
GLOBULIN (COLORIMETRY)	<	1.5	GM/DL
albumin/globulin ratio		0.867	
ASPARTATE AMINOTRANSFERASE	>	737	IU/L
ALANINE AMINOTRANSFERASE		37	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		484	U/L
ALKALINE PHOSPHATASE		40	IU/L
LACTATE DEHYDROGENASE		53	IU/L
CREATINE PHOSPHOKINASE	<	251	IU/L
GAMMA GLUTAMYLTRANSFERASE		0	IU/L
TOTAL (INORGANIC) PHOSPHORUS		4.8	MG/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756508**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E952** Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note: **13.Jun.2001**

Problem: blood collection ; cloacal swab ; annual examination ; swab oral
Procedure: Annual physical examination
Assessment: all findings within normal limits. Oral examination within normal limits.
Diagnostic procedure: blood collection: values within normal range. Oral and cloacal swab for bacterial culture: no enteric pathogens; oral: proteus found (normal in this species?). (CJK)

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756508**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E952** Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note: **14.Jun.2001**

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other: Vet. Assoc. Laboratory

Collection Date: 14/06/2001
Submission Date: 14/06/2001
Reporting Date: 17/06/2001

Submission type:
[ ] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[X] enteric pathogen screen
[ ] mycobacterial

Sample source: Stool

[X] Individual sample
[ ] Group sample

Organism:
[1]
[2]
[3]

Growth: | L | M | H |

Comments: No enteric pathogens. <<<
Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other: Vet. Assoc. Laboratory

Collection Date: 14/06/2001
Submission Date: 14/06/2001
Reporting Date: 17/06/2001

Submission type:
[X] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[ ] enteric pathogen screen
[ ] mycobacterial

Sample source: Oral

[X] Individual sample
[ ] Group sample

Organism:
[1] Proteus mirabilis
[2]
[3]

Growth: | L | M | H |
| | | X |

Sensitivity: 1 | 2 | 3 |

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756508**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E952** Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note: **14.Jun.2001**

Amikacin:	S
Amoxicillin/Clavulanate:	
Ampicillin/Sulbactam:	
Ampicillin:	R
Augmentin:	R
Carbenicillin:	S
Cefoxitin:	
Cephalothin:	R
Chloramphenicol:	S
Ciprofloxacin:	
Clindamycin:	
Erythromycin:	
Enrofloxacin:	S
Gentamicin:	S
Kanamycin:	
Neomycin:	
Nitrofurantoin:	
Norfloxacin:	
Penicillin:	
Piperacillin:	
Polymyxin B:	
Tobramycin:	S
Tetracycline:	R
Trimethoprim/Sulfa:	S
Vancomycin:	

Comments: Large amount of Proteus mirabilis. (SLH)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **2Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **15.Jun.2001**
Time of Collection:
Collected by:

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **15.Jun.2001**
Time of Analysis:
Analysis by: VAL
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	4.5	*10^3/UL
RED BLOOD CELL COUNT		0.88	*10^6/UL
HEMOGLOBIN		10.6	GM/DL
HEMATOCRIT		34.0	%
MCV		386	fL
MCH		120	uug
MCHC		31.2	gm/dL
HETEROPHILS		70 (3.150)	% (*10^3/UL)
LYMPHOCYTES	<	30 (1.350)	% (*10^3/UL)
PLASMA PROTEIN		4.0	G/DL

Comments >>
VAL#: 56140.
RBC/WBC normal.

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

/ISIS/MedARKS/5.31j

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **2Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **15.Jun.2001**
Time of Collection:
Collected by:

Chemistry >>
Analysis Information >>
Chemistry Sample: Whole Blood (Heparin)
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **15.Jun.2001**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE		118	MG/DL
BLOOD UREA NITROGEN		68	MG/DL
CREATININE		0.3	MG/DL
BUN/creatinine ratio		227	
URIC ACID	>	1.8	MG/DL
CALCIUM	>	9.0	MG/DL
SODIUM		156	MEQ/L
POTASSIUM		5.2	MEQ/L
sodium/potassium ratio		30.0	
CHOLESTEROL		218	MG/DL
TOTAL PROTEIN (COLORIMETRY)		3.7	GM/DL
ALBUMIN (COLORIMETRY)		2.0	GM/DL
GLOBULIN (COLORIMETRY)		1.7	GM/DL
albumin/globulin ratio		1.18	
ASPARTATE AMINOTRANSFERASE		530	IU/L
ALANINE AMINOTRANSFERASE		19	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		496	U/L
ALKALINE PHOSPHATASE		34	IU/L
LACTATE DEHYDROGENASE		127	IU/L
CREATINE PHOSPHOKINASE		446	IU/L
GAMMA GLUTAMYLTRANSFERASE		2	IU/L
TOTAL (INORGANIC) PHOSPHORUS		5.8	MG/DL

Comments >>
VAL#: 56140.

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

/ISIS/MedARKS/5.31j

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **2Y 10M Est.**

Clinical Note: **27.Jun.2003**

Animals manually restrained for statistic collection for Sealife Park. Blood collected via dorsal occital venous sinus in the neck for CBC and chem. Sinus is located just distal to vertebral process behind head along midline. Shell measurements and photos of the animal taken. No papillomas observed. (CLD)

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

Scientific name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**

		ISIS Values Mean		S.D.	Min.	Max.	(N)
WBC	*10^3/UL	11.71	±	4.782	2.900	18.00	(14)
RBC	*10^6/UL	1.94	±	0.00	1.94	1.94	(1)
HGB	GM/DL	10.7	±	0.0	10.7	10.7	(1)
HCT	%	36.5	±	6.8	27.0	49.0	(14)
MCH	MG/DL	55.2	±	0.0	55.2	55.2	(1)
MCHC	uug	35.7	±	0.0	35.7	35.7	(1)
MCV	fL	154.6	±	0.0	154.6	154.6	(1)
HETEROPHILS	*10^3/UL	3.531	±	2.065	0.876	6.630	(14)
LYMPHOCYTES	*10^3/UL	6.716	±	2.760	1.220	10.10	(14)
MONOCYTES	*10^3/UL	0.624	±	0.402	0.108	1.344	(9)
EOSINOPHILS	*10^3/UL	0.420	±	0.315	0.078	1.080	(11)
BASOPHILS	*10^3/UL	0.184	±	0.111	0.078	0.339	(4)
AZUROPHILS	*10^3/UL	1.158	±	0.882	0.168	2.700	(8)
PLATE. CNT.	*10^3/UL	28	±	0	28	28	(1)
GLUCOSE	MG/DL	124	±	23	98	172	(13)
BUN	MG/DL	93	±	37	54	154	(7)
CREAT.	MG/DL	0.1	±	0.2	0.0	0.4	(7)
URIC ACID	MG/DL	1.0	±	0.4	0.2	1.5	(12)
CA	MG/DL	7.3	±	1.0	5.5	8.9	(13)
PHOS	MG/DL	9.3	±	2.1	5.1	11.9	(12)
NA	MEQ/L	154	±	6	147	164	(12)
K	MEQ/L	4.7	±	1.1	3.6	7.7	(12)
CL	MEQ/L	121	±	6	113	132	(11)
IRON	MCG/DL	362	±	269	117	600	(4)
MG	MG/DL	6.00	±	0.57	5.60	6.40	(2)
HCO3	MMOL/L	30.5	±	3.1	27.0	35.0	(6)
CHOL	MG/DL	221	±	61	142	354	(12)
TRIG	MG/DL	492	±	322	124	932	(5)
T.PROT. (C)	GM/DL	4.5	±	1.0	2.6	5.7	(14)
ALBUMIN (C)	GM/DL	2.1	±	0.7	1.2	3.1	(8)
GLOBULIN (C)	GM/DL	2.3	±	0.7	1.4	3.3	(8)
AST (SGOT)	IU/L	360	±	223	148	982	(14)
ALT (SGPT)	IU/L	31	±	27	5	82	(11)
T. BILI.	MG/DL	0.5	±	0.4	0.2	1.4	(8)
AMYLASE	U/L	534	±	0	534	534	(1)
ALK.PHOS.	IU/L	77	±	47	31	183	(12)
LDH	IU/L	121	±	102	53	322	(11)
CPK	IU/L	911	±	642	190	1902	(11)
CO2	MMOL/L	26.7	±	3.1	24.0	30.0	(3)
GGT	IU/L	6	±	7	0	21	(7)

CD
SA

Veterinary Associates Laboratory

1818 East 2nd Street
Edmond, OK 73034
Phone: (405) 330- Fax: (405) 844-

TAG # E942

Patient: 7565.07 Collected: 6/27/2003 Owner: OKC ZOO Received: 6/27/2003 Species: REPTILE **Lab Number: 90276** Breed: COMMON SEA TURTL Gender: UNK Age: UNK	**OKLAHOMA CITY ZOO** 2101 NORTHEAST 50TH OKLAHOMA CITY, OK 73111 (405) 425-0265 Fax: (405) 425-0220 **Physician: SHERI HUNTRESS** OKCZ

Comments:

Hematology

Test	Result	Test	Result
WBC:	3,400 µL	SEG:	
RBC:	1.40 mil./µL	BANDS:	
HGB:	11.0 g/dL	LYMPH:	23%
HCT:	33.0%	MONO:	
MCV:	235.7 fL	EOS:	
MCH:	78.6 pg	BASO:	
MCHC:	33.3 g/dL	HETER:	77%
PLT:			
PPRO:	4.1 g/dL		

Test	Result	Test	Result
WBC Morphology:	NORMAL	SEG:	
		BANDS:	
		LYMPH:	782 µL
		MONO:	
		EOS:	
RBC Morphology:	NORMAL	BASO:	
		HETER:	2,618 µL

Comments:

Technologist: _____

Report Date: 6/27/2003 4:50:46 PM

VETERINARY ASSOCIATES LABORATORY

Veterinary Associates Laboratory

1818 East 2nd Street
Edmond, OK 73034
Phone: (405) 330- Fax: (405) 844-

Patient: 7565.07 Collected: 6/27/2003
Owner: OKC ZOO Received: 6/27/2003
Species: REPTILE **Lab Number:** 90276
Breed: COMMON SEA TURTL
Gender: UNK
Age: UNK

OKLAHOMA CITY ZOO
2101 NORTHEAST 50TH
OKLAHOMA CITY, OK 73111
(405) 425-0265 Fax: (405) 425-0220

Physician: SHERI HUNTRESS OKCZ

Comments:

Chemistry

Test	Result
ALKP:	26 units/L
GGT:	6 units/L
BUN:	53 mg/dL
LDH:	91 units/L
CPK:	565 units/L
AMY:	508 units/L
CHOL:	179 mg/dL
GLU:	70 mg/dL
ALB:	2.0 g/dL
TPRO:	3.8 g/dL
CA:	7.2 mg/dL
IPHOS:	6.3 mg/dL

Test	Result
AST:	139 units/L
URIC:	0.8 mg/dL
TBILI:	0.2 mg/dL
CRE:	0.5 mg/dL
ALT:	29 units/L
DBILI:	

Bile Acids
Random:
Fasting:
Post Prandial:

Test	Result
PROG:	

Test	Result
CL:	126 meq/L
CO2:	
TRI:	
LIP:	
FE:	
MG:	

Test	Result
T3:	
T4:	
PBARB:	
THEO:	

Cortisol
Random:
Base:
2 hour:
4 hour:
8 hour:

Test	Result
K:	4.6 meq/L
NA:	153 meq/L
GLOB:	1.8 g/dL
AG:	1.1
UPCR:	

Comments:

Technologist: _____ Report Date: 6/27/2003 4:50:46 PM

Medical History Report - Summary for Individual Specimen
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**

.....1999...

2.Apr Obtained from another institution.

29.Jun Clinical note recorded. (MTB)

6.Jul Clinical note recorded. (MTB)
15.Jul Blood sample: Hematology/Chemistry/Serology results.
WBC:21.50 *10^3/UL; HCT: 13.5%; BUN:57 MG/DL;
Clinical note recorded. (CJK)
16.Jul Clinical note recorded. (CJK)

22.Nov Clinical note recorded. (CJK)
24.Nov Clinical note recorded. (CJK)
26.Nov Clinical note recorded. (CJK)
Weight: 4.8 Kg (10.6 Lb)
29.Nov Clinical note recorded. (CJK)
30.Nov Clinical note recorded. (MTB)

10.Dec Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:5.20 *10^3/UL; HCT: 26.0%;
Clinical note recorded. (MTB)
23.Dec Clinical note recorded. (CJK)

.....2000...

6.Jan Clinical note recorded. (CJK)
11.Jan Clinical note recorded. (CJK)

21.Feb Clinical note recorded. (CJK)

27.Apr Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:4.10 *10^3/UL; HCT: 40.0%; BUN:19 MG/DL;
Hemolysis

8.Jun Clinical note recorded. (CJK)
9.Jun Blood sample: Hematology/Chemistry/Serology results.
WBC:2.30 *10^3/UL; HCT: 25.0%; BUN:16 MG/DL;

.....2001...

21.Jun PROBLEM: blood collection
cloacal swab
annual examination
swab oral
Clinical note recorded. (SLH)
22.Jun Clinical note recorded. (SLH)

Medical History Report - Summary for Individual Specimen
OKLAHOMA CITY ZOOLOGICAL PARK

==========

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**

==========

.....2003...
27.Jun Clinical note recorded. (CLD)

Weight: 20.5 Kg (45.2 Lb)

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**

Clinical Note: **29.Jun.1999**
Recently moved to new tank. Not eating. Keeper reports swelling of left eye. Examination - physical:no significant findings. Plan:observe (MTB)

Clinical Note: **6.Jul.1999**
Reported eating well. (MTB)

Clinical Note: **15.Jul.1999**
Hx: not eating again. weightloss.
Asses: active, swimming well.
Path: CBC/Chem.: Ca low, liver enzymes elevated, other values wnl.
Cloacal culture: results pending.
Rx: Vit B 0.3 ml IM.
Plan: Radiographs July 16 to check for foreign material.

Microbiology: Cloacal swab for enteric pathogen screen.

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other:

Collection Date: 15/07/99
Submission Date: 15/07/99
Reporting Date: 17/07/99

Submission type:
[ ] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[X] enteric pathogen screen
[ ] mycobacterial

Sample source: CLOACA

[X] Individual sample
[ ] Group sample

Comments: NO ENTERIC PATHOGENS (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Manual restraint used.

Date of Collection: **15.Jul.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant:
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory:
Date of Analysis:
Time of Analysis:
Analysis by:

Tests and Results >>

WHITE BLOOD CELL COUNT	>>	21.5		*10^3/UL
RED BLOOD CELL COUNT		1.92		*10^6/UL
HEMOGLOBIN		3.6		GM/DL
HEMATOCRIT	<<	13.5		%
MCV		70.3		fL
MCH		18.8		uug
MCHC		26.7		gm/dL
HETEROPHILS	>>	85	(18.28)	% (*10^3/UL)
NEUTROPHILIC BANDS		0		% (*10^3/UL)
LYMPHOCYTES	<	15	(3.225)	% (*10^3/UL)
MONOCYTES	<	0		% (*10^3/UL)
EOSINOPHILS	<	0		% (*10^3/UL)
BASOPHILS	<	0		% (*10^3/UL)
PLATELET COUNT		22		*10^3/UL
PLASMA PROTEIN		3.6		G/DL

Comments >>
85% hets, 15% lymphs

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Manual restraint used.

Date of Collection: **15.Jul.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (Heparin)
Storage: Room temperature (>10 hours)
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **15.Jul.1999**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE	<<	71	MG/DL
BLOOD UREA NITROGEN		57	MG/DL
CREATININE		0.2	MG/DL
BUN/creatinine ratio		285	
URIC ACID	>	1.5	MG/DL
CALCIUM	<<	3.5	MG/DL
SODIUM		159	MEQ/L
POTASSIUM		4.1	MEQ/L
sodium/potassium ratio		38.8	
CHLORIDE	<	112	MEQ/L
CHOLESTEROL		190	MG/DL
TOTAL PROTEIN (COLORIMETRY)	<	3.1	GM/DL
ALBUMIN (COLORIMETRY)	<	1.3	GM/DL
GLOBULIN (COLORIMETRY)		1.8	GM/DL
albumin/globulin ratio		0.722	
ASPARTATE AMINOTRANSFERASE	>>	2230	IU/L
ALANINE AMINOTRANSFERASE	>>	200	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		212	U/L
ALKALINE PHOSPHATASE		114	IU/L
LACTATE DEHYDROGENASE	>	324	IU/L
CREATINE PHOSPHOKINASE	>>	6270	IU/L
GAMMA GLUTAMYLTRANSFERASE	>	14	IU/L
TOTAL (INORGANIC) PHOSPHORUS		10.5	MG/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **16.Jul.1999**

Hx: not eating. weightloss.
Asses: active.
Procedure: Radiographs: GI tract moderately filled with radiodense, rock-like material.
Rx:LRS + Vit. B complex (100 ml) SQ. Amikacin 2.5 mg/kg q72h. Ca-Gluconate 50 mg/kg IM q72h. Metronidazol 25 mg/kg PO to stimulate appetite.
Plan: treatment on July 19 with fluids, Amikacin and Ca. (CJK)

Clinical Note: **22.Nov.1999**

kprrpt: abnormal patches on carapax and plastron.
asses: shell necrosis one spot on left and one on right caudal part of carapax, two deeper lesions on right side of caudal plastron.
Plan: debridemet and local treatment. contact Hawaii. (CJK)

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **24.Nov.1999**
Microbiology: Swab submitted for aerobic bacterial culture.

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other:

Collection Date: 24/11/99
Submission Date: 24/11/99
Reporting Date: 29/11/99

Submission type:
[X] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[ ] enteric pathogen screen
[ ] mycobacterial

Sample source: PLASTRON

[X] Individual sample
[ ] Group sample

Organism:
[1] KLEBSIELLA PNEUMONIAE
[2] PROTEUS MIRABILIS

Growth:	L	M	H
			X
		X	

Sensitivity:

	1	2	3	4	5	6	7	8
Amikacin:	S	S						
Amoxicillin/Clavulanate:								
Ampicillin/Sulbactam:								
Ampicillin:	R	S						
Augmentin:	S	S						
Carbenicillin:	R	S						
Cefoxitin:								
Cephalothin:	S	S						
Chloramphenicol:	S	S						
Ciprofloxacin:								
Clindamycin:								
Erythromycin:								
Enrofloxacin:	S	S						
Gentamicin:	S	S						
Kanamycin:								
Neomycin:								
Nitrofurantoin:								
Norfloxacin:								
Penicillin:								
Piperacillin:								

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **24.Nov.1999**

Polymyxin B:		
Sulfamethoxazole:		
Tetracycline:	S	R
Trimethoprim/Sulfa:	S	S
Vancomycin:		

Comments: (CJK)

Clinical Note: **26.Nov.1999**

Procedure: debridement under anesthesia with isoflurane. Induction with face mask, intubation with 2.5 mm cone tube. scrubbing sides with lesions, debridement, removing necrotic tissue. rinsing well with nolvasan, filling lesions with panolog ointment. covered lesions with Tega-Derm dressing, glued edges with nexaband to keep it water-proof.
Tx: amykacin 2.5 mg/kg (o.23 ml) IM every 72 hours for 6-7 treatments.
Plan: observe for dressing being water-proof, if not change dressing every 2-3 days and clean lesions with nolvasan, cover them with panolog. (CJK)

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **29.Nov.1999**
Microbiology: Swab submitted for aerobic bacterial culture.

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other:

Collection Date: 29/11/99
Submission Date: 29/11/99
Reporting Date: 30/11/99

Submission type:
[X] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[ ] enteric pathogen screen
[ ] mycobacterial

Sample source: PLASTRON

[X] Individual sample
[ ] Group sample

Organism:
[1] KLEBSIELLA PNEUMONIAE
[2] PROTEUS MIRABILIS

Growth:	L	M	H
[1] KLEBSIELLA PNEUMONIAE			X
[2] PROTEUS MIRABILIS			X

Sensitivity:	1	2	3	4	5	6	7	8
Amikacin:	S	S						
Amoxicillin/Clavulanate:								
Ampicillin/Sulbactam:								
Ampicillin:	R	S						
Augmentin:	S	S						
Carbenicillin:	R	S						
Cefoxitin:								
Cephalothin:	S	S						
Chloramphenicol:	S	S						
Ciprofloxacin:								
Clindamycin:								
Erythromycin:								
Enrofloxacin:	S	S						
Gentamicin:	S	S						
Kanamycin:								
Neomycin:								
Nitrofurantoin:								
Norfloxacin:								
Penicillin:								
Piperacillin:								

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **29.Nov.1999**

Polymyxin B:								
Sulfamethoxazole:								
Tetracycline:	S	R						
Trimethoprim/Sulfa:	S	S						
Vancomycin:								

Comments: (CJK)

Clinical Note: **30.Nov.1999**
Bandages, contaning water removed. Shell lesions cleaedout with cotton tip swab. applied betadine and left in dry tub for about 3 hours. Advise to treat once daily for time being. (MTB)

Clinical Note: **10.Dec.1999**
Blood sample collected - CBC, Chemistry. (MTB)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 4M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **10.Dec.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **10.Dec.1999**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	5.2		*10^3/UL
RED BLOOD CELL COUNT		2.72		*10^6/UL
HEMOGLOBIN		8.1		GM/DL
HEMATOCRIT	<	26		%
MCV		95.6		fL
MCH		29.8		uug
MCHC		31.2		gm/dL
HETEROPHILS		61	(3.172)	% (*10^3/UL)
NEUTROPHILIC BANDS		0		% (*10^3/UL)
LYMPHOCYTES	<	39	(2.028)	% (*10^3/UL)
MONOCYTES	<	0		% (*10^3/UL)
EOSINOPHILS	<	0		% (*10^3/UL)
BASOPHILS	<	0		% (*10^3/UL)
PLASMA PROTEIN		5.5		G/DL

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **10.Dec.1999**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

URIC ACID		1.4	MG/DL
CALCIUM	<	5.6	MG/DL
SODIUM		158	MEQ/L
POTASSIUM	<	2.9	MEQ/L
sodium/potassium ratio		54.5	
CHLORIDE	<<	108	MEQ/L
TOTAL PROTEIN (COLORIMETRY)		4.8	GM/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

/ISIS/MedARKS/5.31j

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 4M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **10.Dec.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Tests and Results >>

ASPARTATE AMINOTRANSFERASE	491	IU/L

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 4M Est.**

Clinical Note: **23.Dec.1999**
Asses: lesions much improved, soft shell growing in. deep lesion still covered by necrotic patch.
Plan: try to remove necrotic tissue with Q tips during daily cleaning. (CJK)

Clinical Note: **6.Jan.2000**
Kprrpt: one of the deep lesions not looking good, shell around lesion soft.
Asses: shell around deep lesion on plastron soft, seems to be undermined. connection between the two lesions close to eachother?
Plan: try to clean necrotic material of lesions. recheck in few days, if no change surgery needed. (CJK)

Clinical Note: **11.Jan.2000**
Asses: lesions looking much better, smaller. shell around the deep lesion on plastron firmer. granulation tissue filling in.
Plan: continue with cleaning until further notice. (CJK)

Clinical Note: **21.Feb.2000**
Asses: lesions on carapas almost healed over. One deep lesion on plastron not covered with shell. May need freshing the wound edges. Some potential sore spots, at pressure points, occured because of dry docking.
Plan: off treatment. Moved to larger tank. Observation of lesions. (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 9M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **27.Apr.2000**
Time of Collection:
Collected by: PGH

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **27.Apr.2000**
Time of Analysis:
Analysis by: VAL
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	4.1		*10^3/UL
RED BLOOD CELL COUNT		2.07		*10^6/UL
HEMOGLOBIN		12.6		GM/DL
HEMATOCRIT		40.0		%
MCV		193		fL
MCH		60.9		uug
MCHC		31.5		gm/dL
HETEROPHILS		80	(3.280)	% (*10^3/UL)
LYMPHOCYTES	<<	20	(0.820)	% (*10^3/UL)
PLATELET COUNT		21.0		*10^3/UL
PLASMA PROTEIN		4.2		G/DL

Comments >>
WBC,RBC morphology - normal.

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

/ISIS/MedARKS/5.31j

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 9M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **27.Apr.2000**
Time of Collection:
Collected by: PGH

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (Heparin)
Storage: Fresh
Sample Quality: hemolysis

Laboratory: **VET ASSO LAB**
Date of Analysis: **27.Apr.2000**
Time of Analysis:
Analysis by: VAL
Manual analysis.

Tests and Results >>

GLUCOSE	<<	59	MG/DL
BLOOD UREA NITROGEN	<	19	MG/DL
CREATININE	>>	0.6	MG/DL
BUN/creatinine ratio		31.7	
URIC ACID		1.0	MG/DL
CALCIUM		6.8	MG/DL
SODIUM		151	MEQ/L
POTASSIUM	>	6.5	MEQ/L
sodium/potassium ratio		23.2	
CHLORIDE		118	MEQ/L
CHOLESTEROL	<	120	MG/DL
TOTAL PROTEIN (COLORIMETRY)		4.0	GM/DL
ALBUMIN (COLORIMETRY)	>>	4.2	GM/DL
GLOBULIN (COLORIMETRY)	<<	-0.2	GM/DL
ASPARTATE AMINOTRANSFERASE		262	IU/L
ALANINE AMINOTRANSFERASE	>	82	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
AMYLASE		272	U/L
ALKALINE PHOSPHATASE	<	23	IU/L
LACTATE DEHYDROGENASE	>>	3790	IU/L
CREATINE PHOSPHOKINASE	>>	9800	IU/L
GAMMA GLUTAMYLTRANSFERASE		6	IU/L
TOTAL (INORGANIC) PHOSPHORUS		4.0	MG/DL

Comments >>
Blood was partially hemolyzed.
VAL #37325

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

/ISIS/MedARKS/5.31j

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 9M Est.**

Clinical Note: **8.Jun.2000**

Procedure: preshipment examination.
Assessment: dorsal lesions resolved. deep lesions on plastron covered with necrotic membrane, but no open lesion.
Diagnostic Procedure: blood collection for CBC, Chemistry: results within normal range; cloacal swab for fecal culture: no enteric pathogens. (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **9.Jun.2000**
Time of Collection:
Collected by: CJK

Hematology >>
Analysis Information >>
Anticoagulant:
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **9.Jun.2000**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	2.3		*10^3/UL
RED BLOOD CELL COUNT		1.17		*10^6/UL
HEMOGLOBIN		8.4		GM/DL
HEMATOCRIT	<	25		%
MCV		214		fL
MCH		71.8		uug
MCHC		33.6		gm/dL
HETEROPHILS		90	(2.070)	% (*10^3/UL)
LYMPHOCYTES	<<	10	(0.230)	% (*10^3/UL)
PLASMA PROTEIN		3.1		G/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **9.Jun.2000**
Time of Collection:
Collected by: CJK

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **9.Jun.2000**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE	<	95	MG/DL
BLOOD UREA NITROGEN	<<	16	MG/DL
CREATININE		0.2	MG/DL
BUN/creatinine ratio		80.0	
URIC ACID		0.7	MG/DL
CALCIUM	<	5.7	MG/DL
SODIUM		148	MEQ/L
POTASSIUM	<	3.3	MEQ/L
sodium/potassium ratio		44.8	
CHLORIDE	<	113	MEQ/L
CHOLESTEROL	<	149	MG/DL
TOTAL PROTEIN (COLORIMETRY)	<	2.9	GM/DL
ALBUMIN (COLORIMETRY)	<	1.2	GM/DL
GLOBULIN (COLORIMETRY)		1.7	GM/DL
albumin/globulin ratio		0.706	
ASPARTATE AMINOTRANSFERASE		161	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		417	U/L
ALKALINE PHOSPHATASE		41	IU/L
LACTATE DEHYDROGENASE		54	IU/L
CREATINE PHOSPHOKINASE		865	IU/L
GAMMA GLUTAMYLTRANSFERASE		0	IU/L
TOTAL (INORGANIC) PHOSPHORUS		8.2	MG/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 30.Jun.2003

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note: **21.Jun.2001**

Problem: blood collection ; cloacal swab ; annual examination ; swab oral
Annual physical exam. Manual restraint. Blood drawn via sinus in neck near mid-line. Mouth checked and free of any papillomas. Plastron checked and one hole has healed completely and the other is nearly healed. Cloaca swab taken. (SLH)

Clinical Note: **22.Jun.2001**

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other: Vet. Assoc. Laboratory

Collection Date: 22/06/2001
Submission Date: 22/06/2001
Reporting Date: 24/06/2001

Submission type:
[ ] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[X] enteric pathogen screen
[ ] mycobacterial

Sample source: Cloaca

[X] Individual sample
[ ] Group sample

Organism:
[1]
[2]
[3]

Growth: | L | M | H |

Comments: No enteric pathogens. (SLH)

Clinical Note: **27.Jun.2003**

Animals manually restrained for statistic collection for Sealife Park. Blood collected via dorsal occiital venous sinus in the neck for CBC and chem. Sinus is located just distal to vertebral process behind head along midline. Shell measurements and photos of the animal taken. No papillomas observed. (CLD)

Clinical Pathology Records Report - ISIS/In-House Reference Values

OKLAHOMA CITY ZOOLOGICAL PARK

Scientific name: ***CHELONIA MYDAS***

Common Name: **Common green turtle**

		ISIS Values Mean		S.D.	Min.	Max.	(N)
WBC	*10^3/UL	11.71	±	4.782	2.900	18.00	(14)
RBC	*10^6/UL	1.94	±	0.00	1.94	1.94	(1)
HGB	GM/DL	10.7	±	0.0	10.7	10.7	(1)
HCT	%	36.5	±	6.8	27.0	49.0	(14)
MCH	MG/DL	55.2	±	0.0	55.2	55.2	(1)
MCHC	uug	35.7	±	0.0	35.7	35.7	(1)
MCV	fL	154.6	±	0.0	154.6	154.6	(1)
HETEROPHILS	*10^3/UL	3.531	±	2.065	0.876	6.630	(14)
LYMPHOCYTES	*10^3/UL	6.716	±	2.760	1.220	10.10	(14)
MONOCYTES	*10^3/UL	0.624	±	0.402	0.108	1.344	(9)
EOSINOPHILS	*10^3/UL	0.420	±	0.315	0.078	1.080	(11)
BASOPHILS	*10^3/UL	0.184	±	0.111	0.078	0.339	(4)
AZUROPHILS	*10^3/UL	1.158	±	0.882	0.168	2.700	(8)
PLATE. CNT.	*10^3/UL	28	±	0	28	28	(1)
GLUCOSE	MG/DL	124	±	23	98	172	(13)
BUN	MG/DL	93	±	37	54	154	(7)
CREAT.	MG/DL	0.1	±	0.2	0.0	0.4	(7)
URIC ACID	MG/DL	1.0	±	0.4	0.2	1.5	(12)
CA	MG/DL	7.3	±	1.0	5.5	8.9	(13)
PHOS	MG/DL	9.3	±	2.1	5.1	11.9	(12)
NA	MEQ/L	154	±	6	147	164	(12)
K	MEQ/L	4.7	±	1.1	3.6	7.7	(12)
CL	MEQ/L	121	±	6	113	132	(11)
IRON	MCG/DL	362	±	269	117	600	(4)
MG	MG/DL	6.00	±	0.57	5.60	6.40	(2)
HCO3	MMOL/L	30.5	±	3.1	27.0	35.0	(6)
CHOL	MG/DL	221	±	61	142	354	(12)
TRIG	MG/DL	492	±	322	124	932	(5)
T.PROT. (C)	GM/DL	4.5	±	1.0	2.6	5.7	(14)
ALBUMIN (C)	GM/DL	2.1	±	0.7	1.2	3.1	(8)
GLOBULIN (C)	GM/DL	2.3	±	0.7	1.4	3.3	(8)
AST (SGOT)	IU/L	360	±	223	148	982	(14)
ALT (SGPT)	IU/L	31	±	27	5	82	(11)
T. BILI.	MG/DL	0.5	±	0.4	0.2	1.4	(8)
AMYLASE	U/L	534	±	0	534	534	(1)
ALK.PHOS.	IU/L	77	±	47	31	183	(12)
LDH	IU/L	121	±	102	53	322	(11)
CPK	IU/L	911	±	642	190	1902	(11)
CO2	MMOL/L	26.7	±	3.1	24.0	30.0	(3)
GGT	IU/L	6	±	7	0	21	(7)

Medical History Report - Summary for Individual Specimen
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**

.....1999...

2.Apr Obtained from another institution.

29.Jun Clinical note recorded. (MTB)

6.Jul Clinical note recorded. (MTB)
15.Jul Blood sample: Hematology/Chemistry/Serology results.
WBC:21.50 *10^3/UL; HCT: 13.5%; BUN:57 MG/DL;
Clinical note recorded. (CJK)
16.Jul Clinical note recorded. (CJK)

22.Nov Clinical note recorded. (CJK)
24.Nov Clinical note recorded. (CJK)
26.Nov Clinical note recorded. (CJK)
Weight: 4.8 Kg (10.6 Lb)
29.Nov Clinical note recorded. (CJK)
30.Nov Clinical note recorded. (MTB)

10.Dec Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:5.20 *10^3/UL; HCT: 26.0%;
Clinical note recorded. (MTB)
23.Dec Clinical note recorded. (CJK)

.....2000...

6.Jan Clinical note recorded. (CJK)
11.Jan Clinical note recorded. (CJK)

21.Feb Clinical note recorded. (CJK)

27.Apr Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:4.10 *10^3/UL; HCT: 40.0%; BUN:19 MG/DL;
Hemolysis

8.Jun Clinical note recorded. (CJK)
9.Jun Blood sample: Hematology/Chemistry/Serology results.
WBC:2.30 *10^3/UL; HCT: 25.0%; BUN:16 MG/DL;

.....2001...

21.Jun PROBLEM: blood collection
cloacal swab
annual examination
swab oral
Clinical note recorded. (SLH)
22.Jun Clinical note recorded. (SLH)

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**

Clinical Note: **29.Jun.1999**
Recently moved to new tank. Not eating. Keeper reports swelling of left eye. Examination - physical:no significant findings. Plan:observe (MTB)

Clinical Note: **6.Jul.1999**
Reported eating well. (MTB)

Clinical Note: **15.Jul.1999**
Hx: not eating again. weightloss.
Asses: active, swimming well.
Path: CBC/Chem.: Ca low, liver enzymes elevated, other values wnl.
Cloacal culture: results pending.
Rx: Vit B 0.3 ml IM.
Plan: Radiographs July 16 to check for foreign material.

Microbiology: Cloacal swab for enteric pathogen screen.

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other:

Collection Date: 15/07/99
Submission Date: 15/07/99
Reporting Date: 17/07/99

Submission type:
[ ] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[X] enteric pathogen screen
[ ] mycobacterial

Sample source: CLOACA

[X] Individual sample
[ ] Group sample

Comments: NO ENTERIC PATHOGENS (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Manual restraint used.

Date of Collection: **15.Jul.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant:
Storage: Not recorded
Sample Quality: No quality problems.

Laboratory:
Date of Analysis:
Time of Analysis:
Analysis by:

Tests and Results >>

WHITE BLOOD CELL COUNT	>>	21.5		*10^3/UL
RED BLOOD CELL COUNT		1.92		*10^6/UL
HEMOGLOBIN		3.6		GM/DL
HEMATOCRIT	<<	13.5		%
MCV		70.3		fL
MCH		18.8		uug
MCHC		26.7		gm/dL
HETEROPHILS	>>	85	(18.28)	% (*10^3/UL)
NEUTROPHILIC BANDS		0		% (*10^3/UL)
LYMPHOCYTES	<	15	(3.225)	% (*10^3/UL)
MONOCYTES	<	0		% (*10^3/UL)
EOSINOPHILS	<	0		% (*10^3/UL)
BASOPHILS	<	0		% (*10^3/UL)
PLATELET COUNT		22		*10^3/UL
PLASMA PROTEIN		3.6		G/DL

Comments >>
85% hets, 15% lymphs

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

/ISIS/MedARKS/5.31j

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Manual restraint used.

Date of Collection: **15.Jul.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (Heparin)
Storage: Room temperature (>10 hours)
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **15.Jul.1999**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE	<<	71	MG/DL
BLOOD UREA NITROGEN		57	MG/DL
CREATININE		0.2	MG/DL
BUN/creatinine ratio		285	
URIC ACID	>	1.5	MG/DL
CALCIUM	<<	3.5	MG/DL
SODIUM		159	MEQ/L
POTASSIUM		4.1	MEQ/L
sodium/potassium ratio		38.8	
CHLORIDE	<	112	MEQ/L
CHOLESTEROL		190	MG/DL
TOTAL PROTEIN (COLORIMETRY)	<	3.1	GM/DL
ALBUMIN (COLORIMETRY)	<	1.3	GM/DL
GLOBULIN (COLORIMETRY)		1.8	GM/DL
albumin/globulin ratio		0.722	
ASPARTATE AMINOTRANSFERASE	>>	2230	IU/L
ALANINE AMINOTRANSFERASE	>>	200	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		212	U/L
ALKALINE PHOSPHATASE		114	IU/L
LACTATE DEHYDROGENASE	>	324	IU/L
CREATINE PHOSPHOKINASE	>>	6270	IU/L
GAMMA GLUTAMYLTRANSFERASE	>	14	IU/L
TOTAL (INORGANIC) PHOSPHORUS		10.5	MG/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **16.Jul.1999**

Hx: not eating. weightloss.
Asses: active.
Procedure: Radiographs: GI tract moderately filled with radiodense, rock-like material.
Rx:LRS + Vit. B complex (100 ml) SQ. Amikacin 2.5 mg/kg q72h. Ca-Gluconate 50 mg/kg IM q72h. Metronidazol 25 mg/kg PO to stimulate appetite.
Plan: treatment on July 19 with fluids, Amikacin and Ca. (CJK)

Clinical Note: **22.Nov.1999**

kprrpt: abnormal patches on carapax and plastron.
asses: shell necrosis one spot on left and one on right caudal part of carapax, two deeper lesions on right side of caudal plastron.
Plan: debridemet and local treatment. contact Hawaii. (CJK)

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **24.Nov.1999**

Polymyxin B:		
Sulfamethoxazole:		
Tetracycline:	S	R
Trimethoprim/Sulfa:	S	S
Vancomycin:		

Comments: (CJK)

Clinical Note: **26.Nov.1999**

Procedure: debridement under anesthesia with isoflurane. Induction with face mask, intubation with 2.5 mm cone tube. scrubbing sides with lesions, debridement, removing necrotic tissue. rinsing well with nolvasan, filling lesions with panolog ointment. covered lesions with Tega-Derm dressing, glued edges with nexaband to keep it water-proof.
Tx: amykacin 2.5 mg/kg (o.23 ml) IM every 72 hours for 6-7 treatments.
Plan: observe for dressing being water-proof, if not change dressing every 2-3 days and clean lesions with nolvasan, cover them with panolog. (CJK)

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **29.Nov.1999**
Microbiology: Swab submitted for aerobic bacterial culture.

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other:

Collection Date: 29/11/99
Submission Date: 29/11/99
Reporting Date: 30/11/99

Submission type:
[X] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[ ] enteric pathogen screen
[ ] mycobacterial

Sample source: PLASTRON
[X] Individual sample
[ ] Group sample

Organism:	Growth: L	M	H
[1] KLEBSIELLA PNEUMONIAE			X
[2] PROTEUS MIRABILIS			X

Sensitivity:	1	2	3	4	5	6	7	8
Amikacin:	S	S						
Amoxicillin/Clavulanate:								
Ampicillin/Sulbactam:								
Ampicillin:	R	S						
Augmentin:	S	S						
Carbenicillin:	R	S						
Cefoxitin:								
Cephalothin:	S	S						
Chloramphenicol:	S	S						
Ciprofloxacin:								
Clindamycin:								
Erythromycin:								
Enrofloxacin:	S	S						
Gentamicin:	S	S						
Kanamycin:								
Neomycin:								
Nitrofurantoin:								
Norfloxacin:								
Penicillin:								
Piperacillin:								

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **11M Est.**

Clinical Note: **29.Nov.1999**

Polymyxin B:		
Sulfamethoxazole:		
Tetracycline:	S	R
Trimethoprim/Sulfa:	S	S
Vancomycin:		

Comments: (CJK)

Clinical Note: **30.Nov.1999**
Bandages, contaning water removed. Shell lesions cleaedout with cotton tip swab. applied betadine and left in dry tub for about 3 hours. Advise to treat once daily for time being. (MTB)

Clinical Note: **10.Dec.1999**
Blood sample collected - CBC, Chemistry. (MTB)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 4M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **10.Dec.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **10.Dec.1999**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	5.2		*10^3/UL
RED BLOOD CELL COUNT		2.72		*10^6/UL
HEMOGLOBIN		8.1		GM/DL
HEMATOCRIT	<	26		%
MCV		95.6		fL
MCH		29.8		uug
MCHC		31.2		gm/dL
HETEROPHILS		61	(3.172)	% (*10^3/UL)
NEUTROPHILIC BANDS		0		% (*10^3/UL)
LYMPHOCYTES	<	39	(2.028)	% (*10^3/UL)
MONOCYTES	<	0		% (*10^3/UL)
EOSINOPHILS	<	0		% (*10^3/UL)
BASOPHILS	<	0		% (*10^3/UL)
PLASMA PROTEIN		5.5		G/DL

Chemistry >>
Analysis Information >>
Chemistry Sample: Serum
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **10.Dec.1999**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

URIC ACID		1.4	MG/DL
CALCIUM	<	5.6	MG/DL
SODIUM		158	MEQ/L
POTASSIUM	<	2.9	MEQ/L
sodium/potassium ratio		54.5	
CHLORIDE	<<	108	MEQ/L
TOTAL PROTEIN (COLORIMETRY)		4.8	GM/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

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Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 4M Est.**

Collection Information >>
Health Status: Abnormal
Fasting Time: < 8 hours
Activity: Active
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **10.Dec.1999**
Time of Collection:
Collected by: MTB
Sample Collection Site: JUGULAR VEIN

Chemistry >>
Tests and Results >>

ASPARTATE AMINOTRANSFERASE	491	IU/L

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 4M Est.**

Clinical Note: **23.Dec.1999**
Asses: lesions much improved, soft shell growing in. deep lesion still covered by necrotic patch.
Plan: try to remove necrotic tissue with Q tips during daily cleaning. (CJK)

Clinical Note: **6.Jan.2000**
Kprrpt: one of the deep lesions not looking good, shell around lesion soft.
Asses: shell around deep lesion on plastron soft, seems to be undermined. connection between the two lesions close to eachother?
Plan: try to clean necrotic material of lesions. recheck in few days, if no change surgery needed. (CJK)

Clinical Note: **11.Jan.2000**
Asses: lesions looking much better, smaller. shell around the deep lesion on plastron firmer. granulation tissue filling in.
Plan: continue with cleaning until further notice. (CJK)

Clinical Note: **21.Feb.2000**
Asses: lesions on carapas almost healed over. One deep lesion on plastron not covered with shell. May need freshing the wound edges. Some potential sore spots, at pressure points, occured because of dry docking.
Plan: off treatment. Moved to larger tank. Observation of lesions. (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 9M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **27.Apr.2000**
Time of Collection:
Collected by: PGH

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **27.Apr.2000**
Time of Analysis:
Analysis by: VAL
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	4.1		*10^3/UL
RED BLOOD CELL COUNT		2.07		*10^6/UL
HEMOGLOBIN		12.6		GM/DL
HEMATOCRIT		40.0		%
MCV		193		fL
MCH		60.9		uug
MCHC		31.5		gm/dL
HETEROPHILS		80	(3.280)	% (*10^3/UL)
LYMPHOCYTES	<<	20	(0.820)	% (*10^3/UL)
PLATELET COUNT		21.0		*10^3/UL
PLASMA PROTEIN		4.2		G/DL

Comments >>
WBC,RBC morphology - normal.

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

/ISIS/MedARKS/5.31j

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 9M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **27.Apr.2000**
Time of Collection:
Collected by: PGH

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma (Heparin)
Storage: Fresh
Sample Quality: hemolysis

Laboratory: **VET ASSO LAB**
Date of Analysis: **27.Apr.2000**
Time of Analysis:
Analysis by: VAL
Manual analysis.

Tests and Results >>

GLUCOSE	<<	59	MG/DL
BLOOD UREA NITROGEN	<	19	MG/DL
CREATININE	>>	0.6	MG/DL
BUN/creatinine ratio		31.7	
URIC ACID		1.0	MG/DL
CALCIUM		6.8	MG/DL
SODIUM		151	MEQ/L
POTASSIUM	>	6.5	MEQ/L
sodium/potassium ratio		23.2	
CHLORIDE		118	MEQ/L
CHOLESTEROL	<	120	MG/DL
TOTAL PROTEIN (COLORIMETRY)		4.0	GM/DL
ALBUMIN (COLORIMETRY)	>>	4.2	GM/DL
GLOBULIN (COLORIMETRY)	<<	-0.2	GM/DL
ASPARTATE AMINOTRANSFERASE		262	IU/L
ALANINE AMINOTRANSFERASE	>	82	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
AMYLASE		272	U/L
ALKALINE PHOSPHATASE	<	23	IU/L
LACTATE DEHYDROGENASE	>>	3790	IU/L
CREATINE PHOSPHOKINASE	>>	9800	IU/L
GAMMA GLUTAMYLTRANSFERASE		6	IU/L
TOTAL (INORGANIC) PHOSPHORUS		4.0	MG/DL

Comments >>
Blood was partially hemolyzed.
VAL #37325

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 9M Est.**

Clinical Note: **8.Jun.2000**

Procedure: preshipment examination.
Assessment: dorsal lesions resolved. deep lesions on plastron covered with necrotic membrane, but no open lesion.
Diagnostic Procedure: blood collection for CBC, Chemistry: results within normal range; cloacal swab for fecal culture: no enteric pathogens. (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Date of Collection: **9.Jun.2000**
Time of Collection:
Collected by: CJK

Hematology >>
Analysis Information >>
Anticoagulant:
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **9.Jun.2000**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	2.3		*10^3/UL
RED BLOOD CELL COUNT		1.17		*10^6/UL
HEMOGLOBIN		8.4		GM/DL
HEMATOCRIT	<	25		%
MCV		214		fL
MCH		71.8		uug
MCHC		33.6		gm/dL
HETEROPHILS		90	(2.070)	% (*10^3/UL)
LYMPHOCYTES	<<	10	(0.230)	% (*10^3/UL)
PLASMA PROTEIN		3.1		G/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >> Date of Collection: **9.Jun.2000**
Health Status: Normal Time of Collection:
Fasting Time: < 8 hours Collected by: CJK
Activity: Calm
Weight: 4.8 Kg on 26.Nov.1999
Manual restraint used.

Chemistry >>
Analysis Information >> Laboratory: **VET ASSO LAB**
Chemistry Sample: Plasma Date of Analysis: **9.Jun.2000**
Storage: Fresh Time of Analysis:
Sample Quality: No quality problems. Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE	<	95	MG/DL
BLOOD UREA NITROGEN	<<	16	MG/DL
CREATININE		0.2	MG/DL
BUN/creatinine ratio		80.0	
URIC ACID		0.7	MG/DL
CALCIUM	<	5.7	MG/DL
SODIUM		148	MEQ/L
POTASSIUM	<	3.3	MEQ/L
sodium/potassium ratio		44.8	
CHLORIDE	<	113	MEQ/L
CHOLESTEROL	<	149	MG/DL
TOTAL PROTEIN (COLORIMETRY)	<	2.9	GM/DL
ALBUMIN (COLORIMETRY)	<	1.2	GM/DL
GLOBULIN (COLORIMETRY)		1.7	GM/DL
albumin/globulin ratio		0.706	
ASPARTATE AMINOTRANSFERASE		161	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		417	U/L
ALKALINE PHOSPHATASE		41	IU/L
LACTATE DEHYDROGENASE		54	IU/L
CREATINE PHOSPHOKINASE		865	IU/L
GAMMA GLUTAMYLTRANSFERASE		0	IU/L
TOTAL (INORGANIC) PHOSPHORUS		8.2	MG/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002 **/ISIS/MedARKS/5.31j**

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756507**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E942** Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note: **21.Jun.2001**

Problem: blood collection ; cloacal swab ; annual examination ; swab oral
Annual physical exam. Manual restraint. Blood drawn via sinus in neck near mid-line. Mouth checked and free of any papillomas. Plastron checked and one hole has healed completely and the other is nearly healed. Cloaca swab taken. (SLH)

Clinical Note: **22.Jun.2001**

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other: Vet. Assoc. Laboratory

Collection Date: 22/06/2001
Submission Date: 22/06/2001
Reporting Date: 24/06/2001

Submission type:
[ ] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[X] enteric pathogen screen
[ ] mycobacterial

Sample source: Cloaca

[X] Individual sample
[ ] Group sample

Organism:
[1]
[2]
[3]

Growth: | L | M | H |

Comments: No enteric pathogens. (SLH)

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

Scientific name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**

		ISIS Values Mean		S.D.	Min.	Max.	(N)
WBC	*10^3/UL	11.71	±	4.782	2.900	18.00	(14)
RBC	*10^6/UL	1.94	±	0.00	1.94	1.94	(1)
HGB	GM/DL	10.7	±	0.0	10.7	10.7	(1)
HCT	%	36.5	±	6.8	27.0	49.0	(14)
MCH	MG/DL	55.2	±	0.0	55.2	55.2	(1)
MCHC	uug	35.7	±	0.0	35.7	35.7	(1)
MCV	fL	154.6	±	0.0	154.6	154.6	(1)
HETEROPHILS	*10^3/UL	3.531	±	2.065	0.876	6.630	(14)
LYMPHOCYTES	*10^3/UL	6.716	±	2.760	1.220	10.10	(14)
MONOCYTES	*10^3/UL	0.624	±	0.402	0.108	1.344	(9)
EOSINOPHILS	*10^3/UL	0.420	±	0.315	0.078	1.080	(11)
BASOPHILS	*10^3/UL	0.184	±	0.111	0.078	0.339	(4)
AZUROPHILS	*10^3/UL	1.158	±	0.882	0.168	2.700	(8)
PLATE. CNT.	*10^3/UL	28	±	0	28	28	(1)
GLUCOSE	MG/DL	124	±	23	98	172	(13)
BUN	MG/DL	93	±	37	54	154	(7)
CREAT.	MG/DL	0.1	±	0.2	0.0	0.4	(7)
URIC ACID	MG/DL	1.0	±	0.4	0.2	1.5	(12)
CA	MG/DL	7.3	±	1.0	5.5	8.9	(13)
PHOS	MG/DL	9.3	±	2.1	5.1	11.9	(12)
NA	MEQ/L	154	±	6	147	164	(12)
K	MEQ/L	4.7	±	1.1	3.6	7.7	(12)
CL	MEQ/L	121	±	6	113	132	(11)
IRON	MCG/DL	362	±	269	117	600	(4)
MG	MG/DL	6.00	±	0.57	5.60	6.40	(2)
HCO3	MMOL/L	30.5	±	3.1	27.0	35.0	(6)
CHOL	MG/DL	221	±	61	142	354	(12)
TRIG	MG/DL	492	±	322	124	932	(5)
T.PROT. (C)	GM/DL	4.5	±	1.0	2.6	5.7	(14)
ALBUMIN (C)	GM/DL	2.1	±	0.7	1.2	3.1	(8)
GLOBULIN (C)	GM/DL	2.3	±	0.7	1.4	3.3	(8)
AST (SGOT)	IU/L	360	±	223	148	982	(14)
ALT (SGPT)	IU/L	31	±	27	5	82	(11)
T. BILI.	MG/DL	0.5	±	0.4	0.2	1.4	(8)
AMYLASE	U/L	534	±	0	534	534	(1)
ALK.PHOS.	IU/L	77	±	47	31	183	(12)
LDH	IU/L	121	±	102	53	322	(11)
CPK	IU/L	911	±	642	190	1902	(11)
CO2	MMOL/L	26.7	±	3.1	24.0	30.0	(3)
GGT	IU/L	6	±	7	0	21	(7)

Medical History Report - Summary for Individual Specimen
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS*** Accession #: **756508**
Common Name: **Common green turtle** **Unknown**
Tag/Band: **E952** Birth: **1.Aug.1998 (Estimated)**

.....1999...

2.Apr Obtained from another institution.

30.Nov Clinical note recorded. (MTB)

.....2000...

8.Jun Clinical note recorded. (CJK)
9.Jun Blood sample: Hematology/Chemistry/Serology results.
WBC:1.50 *10^3/UL; HCT: 33.0%; BUN:44 MG/DL;

.....2001...

13.Jun PROBLEM: blood collection
cloacal swab
annual examination
swab oral
Clinical note recorded. (CJK)
14.Jun Clinical note recorded. (SLH)
15.Jun Blood sample: (Heparin) Hematology/Chemistry/Serology results.
WBC:4.50 *10^3/UL; HCT: 34.0%; BUN:68 MG/DL;

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**

Clinical Note: **30.Nov.1999**
(MTB)

Clinical Note: **8.Jun.2000**
Procedure: preshipment examination.
Assessment: dorsal lesions resolved. deep lesions on plastron covered with necrotic membrane, but no open lesion.
Diagnostic Procedure: blood collection for CBC, Chemistry: results within normal range; cloacal swab for fecal culture: no enteric pathogens. (CJK)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **9.Jun.2000**
Time of Collection:
Collected by: CJK

Hematology >>
Analysis Information >>
Anticoagulant:
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **9.Jun.2000**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<<	1.5		*10^3/UL
RED BLOOD CELL COUNT		1.5		*10^6/UL
HEMOGLOBIN		11.1		GM/DL
HEMATOCRIT		33.0		%
MCV		220		fL
MCH		74.0		uug
MCHC		33.6		gm/dL
HETEROPHILS	<	86	(1.290)	% (*10^3/UL)
LYMPHOCYTES	<<	14	(0.210)	% (*10^3/UL)
PLASMA PROTEIN		3.3		G/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

/ISIS/MedARKS/5.31j

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **9.Jun.2000**
Time of Collection:
Collected by: CJK

Chemistry >>
Analysis Information >>
Chemistry Sample: Plasma
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **9.Jun.2000**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE	<	98	MG/DL
BLOOD UREA NITROGEN	<	44	MG/DL
CREATININE		0.3	MG/DL
BUN/creatinine ratio		147	
URIC ACID		1.0	MG/DL
CALCIUM		7.1	MG/DL
SODIUM		149	MEQ/L
POTASSIUM		4.7	MEQ/L
sodium/potassium ratio		31.7	
CHLORIDE		121	MEQ/L
CHOLESTEROL		169	MG/DL
TOTAL PROTEIN (COLORIMETRY)	<	2.8	GM/DL
ALBUMIN (COLORIMETRY)	<	1.3	GM/DL
GLOBULIN (COLORIMETRY)	<	1.5	GM/DL
albumin/globulin ratio		0.867	
ASPARTATE AMINOTRANSFERASE	>	737	IU/L
ALANINE AMINOTRANSFERASE		37	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		484	U/L
ALKALINE PHOSPHATASE		40	IU/L
LACTATE DEHYDROGENASE		53	IU/L
CREATINE PHOSPHOKINASE	<	251	IU/L
GAMMA GLUTAMYLTRANSFERASE		0	IU/L
TOTAL (INORGANIC) PHOSPHORUS		4.8	MG/DL

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note: **13.Jun.2001**

Problem: blood collection ; cloacal swab ; annual examination ; swab oral
Procedure: Annual physical examination
Assessment: all findings within normal limits. Oral examination within normal limits.
Diagnostic procedure: blood collection: values within normal range. Oral and cloacal swab for bacterial culture: no enteric pathogens; oral: proteus found (normal in this species?). (CJK)

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note:

14.Jun.2001

<<< Microbiology >>>

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other: Vet. Assoc. Laboratory

Collection Date: 14/06/2001
Submission Date: 14/06/2001
Reporting Date: 17/06/2001

Submission type:
[ ] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[X] enteric pathogen screen
[ ] mycobacterial

Sample source: Stool

[X] Individual sample
[ ] Group sample

Organism:
[1]
[2]
[3]

Growth: | L | M | H |

Comments: No enteric pathogens.
Microbiology >>> <<<

Sample Accession #:
Laboratory:
[ ] Roche Biomedical
[ ] Colorado Vet Lab
[ ] OADDL
[X] Other: Vet. Assoc. Laboratory

Collection Date: 14/06/2001
Submission Date: 14/06/2001
Reporting Date: 17/06/2001

Submission type:
[X] aerobic bacteriology
[ ] anaerobic bacteriology
[ ] mycology
[ ] enteric pathogen screen
[ ] mycobacterial

Sample source: Oral

[X] Individual sample
[ ] Group sample

Organism:
[1] Proteus mirabilis
[2]
[3]

Growth: | L | M | H |
| | | X |

Sensitivity: 1 | 2 | 3 |

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 10M Est.**

Clinical Note:

14.Jun.2001

Amikacin:	S
Amoxicillin/Clavulanate:	
Ampicillin/Sulbactam:	
Ampicillin:	R
Augmentin:	R
Carbenicillin:	S
Cefoxitin:	
Cephalothin:	R
Chloramphenicol:	S
Ciprofloxacin:	
Clindamycin:	
Erythromycin:	
Enrofloxacin:	S
Gentamicin:	S
Kanamycin:	
Neomycin:	
Nitrofurantoin:	
Norfloxacin:	
Penicillin:	
Piperacillin:	
Polymyxin B:	
Tobramycin:	S
Tetracycline:	R
Trimethoprim/Sulfa:	S
Vancomycin:	

Comments: Large amount of Proteus mirabilis. (SLH)

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **2Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **15.Jun.2001**
Time of Collection:
Collected by:

Hematology >>
Analysis Information >>
Anticoagulant: Heparin
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **15.Jun.2001**
Time of Analysis:
Analysis by: VAL
Manual analysis.

Tests and Results >>

WHITE BLOOD CELL COUNT	<	4.5		*10^3/UL
RED BLOOD CELL COUNT		0.88		*10^6/UL
HEMOGLOBIN		10.6		GM/DL
HEMATOCRIT		34.0		%
MCV		386		fL
MCH		120		uug
MCHC		31.2		gm/dL
HETEROPHILS		70	(3.150)	% (*10^3/UL)
LYMPHOCYTES	<	30	(1.350)	% (*10^3/UL)
PLASMA PROTEIN		4.0		G/DL

Comments >>
VAL#: 56140.
RBC/WBC normal.

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

Clinical Pathology Records - Specimen Report
OKLAHOMA CITY ZOOLOGICAL PARK

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E952**

Accession #: **756508**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **2Y 10M Est.**

Collection Information >>
Health Status: Normal
Fasting Time: < 8 hours
Activity: Calm
Manual restraint used.

Date of Collection: **15.Jun.2001**
Time of Collection:
Collected by:

Chemistry >>
Analysis Information >>
Chemistry Sample: Whole Blood (Heparin)
Storage: Fresh
Sample Quality: No quality problems.

Laboratory: **VET ASSO LAB**
Date of Analysis: **15.Jun.2001**
Time of Analysis:
Analysis by: VAL
Automated analysis.

Tests and Results >>

GLUCOSE		118	MG/DL
BLOOD UREA NITROGEN		68	MG/DL
CREATININE		0.3	MG/DL
BUN/creatinine ratio		227	
URIC ACID	>	1.8	MG/DL
CALCIUM	>	9.0	MG/DL
SODIUM		156	MEQ/L
POTASSIUM		5.2	MEQ/L
sodium/potassium ratio		30.0	
CHOLESTEROL		218	MG/DL
TOTAL PROTEIN (COLORIMETRY)		3.7	GM/DL
ALBUMIN (COLORIMETRY)		2.0	GM/DL
GLOBULIN (COLORIMETRY)		1.7	GM/DL
albumin/globulin ratio		1.18	
ASPARTATE AMINOTRANSFERASE		530	IU/L
ALANINE AMINOTRANSFERASE		19	IU/L
TOTAL BILIRUBIN		0.1	MG/DL
AMYLASE		496	U/L
ALKALINE PHOSPHATASE		34	IU/L
LACTATE DEHYDROGENASE		127	IU/L
CREATINE PHOSPHOKINASE		446	IU/L
GAMMA GLUTAMYLTRANSFERASE		2	IU/L
TOTAL (INORGANIC) PHOSPHORUS		5.8	MG/DL

Comments >>
VAL#: 56140.

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002

/ISIS/MedARKS/5.31j

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

Scientific name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**

		ISIS Values Mean		S.D.	Min.	Max.	(N)
WBC	*10^3/UL	11.71	±	4.782	2.900	18.00	(14)
RBC	*10^6/UL	1.94	±	0.00	1.94	1.94	(1)
HGB	GM/DL	10.7	±	0.0	10.7	10.7	(1)
HCT	%	36.5	±	6.8	27.0	49.0	(14)
MCH	MG/DL	55.2	±	0.0	55.2	55.2	(1)
MCHC	uug	35.7	±	0.0	35.7	35.7	(1)
MCV	fL	154.6	±	0.0	154.6	154.6	(1)
HETEROPHILS	*10^3/UL	3.531	±	2.065	0.876	6.630	(14)
LYMPHOCYTES	*10^3/UL	6.716	±	2.760	1.220	10.10	(14)
MONOCYTES	*10^3/UL	0.624	±	0.402	0.108	1.344	(9)
EOSINOPHILS	*10^3/UL	0.420	±	0.315	0.078	1.080	(11)
BASOPHILS	*10^3/UL	0.184	±	0.111	0.078	0.339	(4)
AZUROPHILS	*10^3/UL	1.158	±	0.882	0.168	2.700	(8)
PLATE. CNT.	*10^3/UL	28	±	0	28	28	(1)
GLUCOSE	MG/DL	124	±	23	98	172	(13)
BUN	MG/DL	93	±	37	54	154	(7)
CREAT.	MG/DL	0.1	±	0.2	0.0	0.4	(7)
URIC ACID	MG/DL	1.0	±	0.4	0.2	1.5	(12)
CA	MG/DL	7.3	±	1.0	5.5	8.9	(13)
PHOS	MG/DL	9.3	±	2.1	5.1	11.9	(12)
NA	MEQ/L	154	±	6	147	164	(12)
K	MEQ/L	4.7	±	1.1	3.6	7.7	(12)
CL	MEQ/L	121	±	6	113	132	(11)
IRON	MCG/DL	362	±	269	117	600	(4)
MG	MG/DL	6.00	±	0.57	5.60	6.40	(2)
HCO3	MMOL/L	30.5	±	3.1	27.0	35.0	(6)
CHOL	MG/DL	221	±	61	142	354	(12)
TRIG	MG/DL	492	±	322	124	932	(5)
T.PROT. (C)	GM/DL	4.5	±	1.0	2.6	5.7	(14)
ALBUMIN (C)	GM/DL	2.1	±	0.7	1.2	3.1	(8)
GLOBULIN (C)	GM/DL	2.3	±	0.7	1.4	3.3	(8)
AST (SGOT)	IU/L	360	±	223	148	982	(14)
ALT (SGPT)	IU/L	31	±	27	5	82	(11)
T. BILI.	MG/DL	0.5	±	0.4	0.2	1.4	(8)
AMYLASE	U/L	534	±	0	534	534	(1)
ALK.PHOS.	IU/L	77	±	47	31	183	(12)
LDH	IU/L	121	±	102	53	322	(11)
CPK	IU/L	911	±	642	190	1902	(11)
CO2	MMOL/L	26.7	±	3.1	24.0	30.0	(3)
GGT	IU/L	6	±	7	0	21	(7)

sis.

Tests and Results >>

GLUCOSE	<<	59	MG/DL
BLOOD UREA NITROGEN	<	19	MG/DL
CREATININE	>>	0.6	MG/DL
BUN/creatinine ratio		31.7	
URIC ACID		1.0	MG/DL
CALCIUM		6.8	MG/DL
SODIUM		151	MEQ/L
POTASSIUM	>	6.5	MEQ/L
sodium/potassium ratio		23.2	
CHLORIDE		118	MEQ/L
CHOLESTEROL	<	120	MG/DL
TOTAL PROTEIN (COLORIMETRY)		4.0	GM/DL
ALBUMIN (COLORIMETRY)	>>	4.2	GM/DL
GLOBULIN (COLORIMETRY)	<<	-0.2	GM/DL
ASPARTATE AMINOTRANSFERASE		262	IU/L
ALANINE AMINOTRANSFERASE	>	82	IU/L
TOTAL BILIRUBIN		0.3	MG/DL
AMYLASE		272	U/L
ALKALINE PHOSPHATASE	<	23	IU/L
LACTATE DEHYDROGENASE	>>	3790	IU/L
CREATINE PHOSPHOKINASE	>>	9800	IU/L
GAMMA GLUTAMYLTRANSFERASE		6	IU/L
TOTAL (INORGANIC) PHOSPHORUS		4.0	MG/DL

Comments >>

Blood was partially hemolyzed.
VAL #37325

ISIS reference values are for CHELONIA MYDAS
Printed on: 20.Sep.2002 **/ISIS/MedARKS/5.31j**

Scientific Name: ***CHELONIA MYDAS***
Common Name: **Common green turtle**
Tag/Band: **E942**

Accession #: **756507**
Unknown
Birth: **1.Aug.1998 (Estimated)**
Age: **1Y 9M Est.**

Clinical Note: **8.Jun.2000**

Procedure: preshipment examination.
Assessment: dorsal lesions resolved. deep lesions on plastron covered with necrotic membrane, but no open lesion.
Diagnostic Procedure: blood collection for CBC, Chemistry: results within normal range; cloacal swab for fecal culture: no enteric pathogens. (CJK)

AN ATLANTIS ADVENTURE