Sea Life Park
HAWAII

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

radio transmitters might provide some interesting information. If this is not desired, 7 facilities (Brookfield Zoo, Columbus Zoo, Dallas World Aquarium, Mandalay Bay Aquarium, Minnesota Zoo, Omaha Zoo, and John G. Shedd Aquarium) have expressed interest in permanently housing 1 of the turtles at their facility.

Please let me know when you would like to discuss this material and assist me in providing the mainland facilities direction for their turtles.

Thank you.

Brian E. Joseph, DVM
Sea Life Park Hawaii
(530) 515-2001
(530) 549-3845 fax
phinneypin@aol.com

Mainland Hawaiian Green Sea Turtle Data

August 16, 2003

Dallas World Aquarium	Selected correspondence, clinical notes on Bonnie (deceased), pathology report on Bonnie (deceased), laboratory data, hard copy photographs
Brookfield Zoo	Selected correspondence, clinical notes (disk), laboratory data (disk), photographs (disk), photographs of oral lesions in January 2003 (disk, difficult to see)
Minnesota Zoo	Selected correspondence, clinical notes, laboratory data, photographs (disk)
Columbus Zoo	Selected correspondence, clinical notes (hardcopy, disk), laboratory data (hard copy, disk), photographs (disk)
Oklahoma City Zoo	Clinical notes, laboratory data, photographs (disk)

Turtle Summary Table
Hawaiian green turtle *Chelonia mydas*

Location	ID	Health Problems	Last Blood	Measured	Length cm	Max Width cm	Max Thick cm	Weight Kg
Dallas World Aquarium	Clyde	Possible renal disease due to diet	8-8-03	?	76.2	?	?	?
Brookfield Zoo	Bartolomi E960	Oral lesions 3-01 – 5-01; 1-03 History of foreign body ingestion	1-24-03	8-5-03	63.5	55.9	20.3	29.9
Brookfield Zoo	Santiago E923	Oral lesions 3-01 – 5/01; 1-03 Lesion on neck June 2000 & March 2001 History of foreign body ingestion	1-24-03	8-5-03	58.4	50.8	15.2	25.7
Brookfield Zoo	Neptune ZJ66	Bruised palate July 2000 Oral lesions 3-01-5-01; 1-03	1-23-03	8-5-03	78.7	63.5	22.9	45.2
Brookfield Zoo	Triton ZJ73	Oral lesions March-May 2001	1-23-03	8-5-03	73.7	61	20.3	45.5
Minnesota Zoo	9255 2 dot	Shark bite to flipper; healed	5-21-02	5-21-02	83.3	70	34.5	80.6
Minnesota Zoo	9254 3 dot	No significant health problems	6-17-03	6-17-03	92.0	76.5	37.4	96.5
Minnesota Zoo	9567 ZF76	No significant health problems	6-17-03	6-17-03	87.0	75.0	36.1	95.13
Columbus Zoo	ZF75	No significant health problems	6-17-03	7-28-03	80.0	57.2	?	46.2
Oklahoma City Zoo	E942	No significant health problems	6-27-03	6-27-03	58.6	49.4	21.0	20.5
Oklahoma City Zoo	E952	No significant health problems	6-27-030	6-27-03	52.1	46.0	19.4	19.5

Location	Person	email	Fax	Phone	Information needed
Dallas World Aquarium	Jan Raines	zoovet@dwazoo.com	214 999 0846		More complete measurements
Brookfield Zoo	Greg Dye	gdye@brookfieldzoo.org	708 485 3130	708 485 0263 ext 442	
Minnesota Zoo	Alan Maguire	amaguir@mail.mnzoo.state.mn.us	952 431 9302	952 431 9289	
Columbus Zoo	Mike Brittsan	mbrittsa@colszoo.org	614 645 3580		Carapace thickness
Oklahoma City Zoo	Brian Aucone	baucone@okczoo.org	405 425 0283	405 425 0274	

Memorandum

To: All mainland Hawaiian green sea turtle holders

From: Brian E. Joseph, DVM, Attending Veterinarian, Sea Life Park Hawaii

Subject: Hawaiian green sea turtles in mainland zoological facilities

We are still attempting to gather information that may lead to the return of these turtles and need your cooperation. The process has bogged down because I have not been a nag and we truly need requested information within the next two weeks. This process has taken over one year.

We have gathered some information from each of you, but some is no longer current. In general, we require the following information from each of you for the period since your last submission of data which was December 2002:

- Current carapace measurements (length, maximum width and maximum thickness) and weight measurements on each individual turtle;
- Digital photographs from multiple angles (Turtle held perpendicular to the ground from front and back, turtle from the head, the side and the rear) submitted on a cd;
- Any additional clinical notes;
- Hematological results taken from each turtle within the last six months.
- If no hematological samples have been taken in the last six months, we require a sample for this analysis;
- Results of an oral examination for each turtle within the last six months.

I recognize the above will result in additional labor expenditures.

When we complete our analysis of this data in conjunction with National Marine Fisheries Service we will move on to Phase 2 which may require additional testing prior to discussion of disposition of the mainland turtles.

Your cooperation is greatly appreciated.

Memorandum

To: All mainland Hawaiian green sea turtle holders

From: Brian E. Joseph, DVM, Attending Veterinarian, Sea Life Park Hawaii

Date: May 10, 2002

Subject: Hawaiian green sea turtles in mainland zoological facilities

We thank you all for your patience in retaining the Hawaiian green sea turtles that are on loan to you from Sea Life Park. We apologize for the length of time that you have been required to hold the turtles.

We are in the process of attempting to gather information that may lead to the return of these turtles to Hawaii and need your cooperation. This process will consist of two phases:

Phase 1 will consist of our review of records and digital photographs. We need you to send us the following information on these turtles:

- A complete photocopy of each individual turtle's medical record;
- A complete history of housing for each individual turtle including any exposure to other reptiles;
- Current carapace measurements (length, maximum width and maximum thickness) and weight measurements on each individual turtle;
- Digital photographs from multiple angles (Turtle held perpendicular to the ground from front and back, turtle from the head, the side and the rear).

Phase 2 will consist of submission of as yet unspecified samples from the turtles. We are currently finalizing tests that will be required and associated costs.

At the end of the second phase we will assess all of the data and hope to make a recommendation concerning the disposition of these turtles.

Please advise us how soon you can furnish Phase 1 data.

Thank you for your consideration and understanding. Your prompt attention to this matter will be greatly appreciated. Responses can be sent via e-mail at slpanimalprogram@aol.com, or Fax (808) 259-7373, or U.S. postal mail to the following address:

Michael T. Osborn
Sea Life Park Hawaii
Animal Programs
41-202 Kalanianaole Highway, #7
Waimanalo, HI 96795

Oklahoma City Zoo

1. Would like to transfer the two turtles from the Oklahoma City Zoo to Oklahoma Aquarium in Jenks, Oklahoma, correspondence dated May 14, 2002

E942

- July 16, 1999 radiodense rock like material in gut observed in gut, no clinical symptoms
- February 2, 2000 shell necrosis on carapace
- February 21, 2000 shell lesions resolved
- June 8, 2000 deep necrotic shell lesions noted
- No other health problems

E952

- No health problems

Housing history

- Months 1-6 1000 gallon aquarium without other animals
- Months 6-24 each alone in a 1000 gallon aquarium
- 24 months – present 1 in a 20,000 gal with fish, 1 alone in a 5000 gallon holding tank
- Never housed with other reptiles

- A complete photocopy of each individual turtle's medical record – **complete, no significant health problems; most recent blood work 6-27-03**
- A complete history of housing for each individual turtle including any exposure to other reptiles – **complete, never housed with other reptiles**
- Current carapace measurements (length, maximum width and maximum thickness) and weight measurements on each individual turtle – **complete; taken 6/27/03 present**
- Digital photographs from multiple angles (Turtle held perpendicular to the ground from front and back, turtle from the head, the side and the rear) - **complete**

Information

- Cd with 16 photos of 2 turtles

Columbus Zoo

1. would like to keep the turtle, email correspondence dated June 14, 2002

ZF75

- A complete photocopy of each individual turtle's medical record – **complete, no significant health problems; most recent blood work from 1-27-03**

- A complete history of housing for each individual turtle including any exposure to other reptiles – **housed in a 100,000 tank with elasmobranchs and indo-pacific fish, never housed with reptiles**

- Current carapace measurements (length, maximum width and maximum thickness) and weight measurements on each individual turtle – **most recent measurements 1-27-03**

- Digital photographs from multiple angles (Turtle held perpendicular to the ground from front and back, turtle from the head, the side and the rear) - **complete**

Information

- Zip file containing blood work and photographs

Dallas World Aquarium

1. request to keep turtles in 6-25-02 correspondence

Clyde ZJ97

- calcium/phosphorous imbalance 9-18-02
- evidence of renal disease 9-18-02 possibly due to dietary imbalance
- extremely high calcium 6-13-01
- clinical notes sketchy
- calcium/phosphorous more in line 8-8-03

Bonnie ZJ90

- necropsy findings severe renal disease; metastatic mineralization
- fracture of l humeral head noted August 6, 2002; right humerus healed – no explanation
- calcium phosphorous imbalance 8-6-02
- fungal dermatitis 7-31-02 – no clinical explanation
- incomplete clinical notes

- A complete photocopy of each individual turtle's medical record – **clinical notes meager on surviving turtle**
- A complete history of housing for each individual turtle including any exposure to other reptiles – **housed only with the deceased Hawaiian sea turtle;**
- Current carapace measurements (length, maximum width and maximum thickness) and weight measurements on each individual turtle - **inadequate**
- Digital photographs from multiple angles (Turtle held perpendicular to the ground from front and back, turtle from the head, the side and the rear) - **complete.**
- Diet has been almost entirely fish resulting in possible renal disease – **diet has been corrected to include 98 % vegetable matter**

Information

- Printed photographs

Zoo Minnesota

1. request in correspondence from Henry Doorly Zoo to receive one of MN Zoo turtles on 10/31/02
2. request in correspondence from Shedd Aquarium to receive one turtle 11/3/02
   - 9254 one dot - no significant health problems
   - 9255 two dot – January 1, 1999 shark bite
   - 9567 ZF76 – no significant health problems

- A complete photocopy of each individual turtle's medical record - **complete**
- A complete history of housing for each individual turtle including any exposure to other reptiles- **complete, no contact with other reptiles**
- Current carapace measurements (length, maximum width and maximum thickness) and weight measurements on each individual turtle – **complete; measurements 6-17-03**
- Digital photographs from multiple angles (Turtle held perpendicular to the ground from front and back, turtle from the head, the side and the rear) – photographs adequate – **complete**

Information

- Zip file containing 19 images

Brookfield Zoo

1. Implies George Parsons, Shedd Aquarium, wants two turtles

Triton ZJ73

- Oral lesions reported March, April and May 2001; photo documentation present, but difficult to see

Neptune ZJ66

- Bruised palate July 4, 2000
- Oral lesions reported March, April, May 2001; photo documentation present, but difficult to see
- Plaques reported on1/23/03

Bartolomi E960

- Oral lesions reported March, April, May 2001; photo documentation present, but difficult to see
- History of eating silicon and filter floss

- Plaques reported on 1/24/03

Santiago E923

- Fish hook removed from cloaca; yellow, hard, nodules biopsied from back of neck June 22, 2000
- Histopathology on above tissue: moderate, chronic, locally extensive, epidermal hyperplasia with orthokeratotic hyperkeratosis and dermal fibroplasias August 10 2000 (likely due to trauma of arching in attempt to climb out of pool
- Yellow. proliferative mass at previous biopsy site removed on March 14,, 2001
- Histopathology on above tissue: acanthosis and orthokeratotic hyperkeratosis, diffuse, moderate with superficial dermal fibroplasias and multifocal ulcerative dermatitis – chronic dermatitis (same as above)
- Oral lesions reported March, April, May 2001
- Dr. Joe Flanigan suggests lesions seen at above biopsy site is due to trauma as he has seen in Kemp Ridley turtles on April 17, 2001 Kemp Ridley
- Was DNA pcr performed on the tissue as suggested in the clinical notes-results not received
- Eating silicon from window seals July 2000
- Injured front flippers during physical examination May 16, 2001
- Plaques reported on 1/23/03

- A complete photocopy of each individual turtle's medical record – **complete**
- A complete history of housing for each individual turtle including any exposure to other reptiles – **never housed with other reptiles**
- Current carapace measurements (length, maximum width and maximum thickness) and weight measurements on each individual turtle – **complete**
- Digital photographs from multiple angles (Turtle held perpendicular to the ground from front and back, turtle from the head, the side and the rear) **-complete.**

Information

- Cd containing photographs of turtles
- Zip file of oral lesions
- Electronic clinical notes (113 pages)


Memorex
Brookfield
Zoo
Pictures
Mark Kennedy
CD-R
700 MB 80 MINUTE
COMPACT disc Recordable


Memorex
Brookfield Zoo
Pictures
CD-R
700 MB 80 MINUTE
COMPACT disc Recordable
8-16-03

BROOKFIELD ZOO
CHICAGO, ILLINOIS

Subj: **FW: Hawaiian Green Turtle Biopsy from 2001**
Date: 8/12/2003 7:31:20 AM Pacific Daylight Time
From: BAMATUCH@BrookfieldZoo.org
To: PhinneyPin@aol.com
Sent from the Internet (Details)

Here is the correspondence for the sea turtle biopsies.....

Aloha!

Barbara E. Matuch
Veterinary Services
Brookfield Zoo
3300 Golf Road
Brookfield, IL 60513
Phone: 708-485-0263, ext. 500
E-mail: bamatuch@brookfieldzoo.org

-----Original Message-----
From: ZDZIARSKI, JACKIE
Sent: Tuesday, August 12, 2003 8:32 AM
To: MATUCH, BARB; MEEHAN, TOM
Cc: DYE, GREG; MCGILL, PATTY
Subject: FW: Hawaiian Green Turtle Biopsy from 2001

Turtle results are in. Jim Casey only sent an email and never sent a hard copy. I have printed the email for inclusion in the animal's record and will have Barb forward the info to Brian Joseph. Jackie

-----Original Message-----
From: LAB
Sent: Monday, August 11, 2003 2:14 PM
To: ZDZIARSKI, JACKIE
Subject: FW: Hawaiian Green Turtle Biopsy fromm 2001

Yeah!!! I printed this out so we can put a copy in the Cornell folder and put the results in MedARKs.

Glad he kept the email! :-)

Chris

-----Original Message-----
From: James W. Casey [mailto:jwc3@cornell.edu]
Sent: Monday, August 11, 2003 12:12 PM
To: LAB
Subject: Re: Hawaiian Green Turtle Biopsy fromm 2001

Dear Chris - below is a message that we sent 2 yrs ago. Cheers Jim Casey

Status: U
Date: Fri, 16 Mar 2001 12:49:01 -1000
From: Thierry Work <thierry_work@usgs.gov>
X-Accept-Language: en

To: "James W. Casey" <jwc3@cornell.edu>,
"gbalazs@honlab.nmfs.hawaii.edu" <gbalazs@honlab.nmfs.hawaii.edu>
Subject: Re:

Jim...you don't know how much of a relief that is to me! Many thanks for that good piece of news.

Now we need to sort out what the hell is going on with that turtle.

"James W. Casey" wrote:

> George, Thierry and Jackie - Both biopsy's from the Brookfield
> turtle are negative by PCR. Two different turtle herpesvirus
> polymerase PCR primer sets were employed separately to independently
> replicate the reaction and verify the diagnostic results. They were
> both negative. Cheers Jim

–
Thierry M. Work
US Geological Survey
National Wildlife Health Center
Hawaii Field Station
PO Box 50167
Honolulu, HI 96850
tel: 808 541-3445
fax: 808 541-3472

>Dear Dr. Casey,
>
>I work in the laboratory at the Brookfield Zoo Animal Hospital under Dr. Tom
>Meehan and Dr. Jackie Zdziarski. We are currently trying to locate
>fibropapilloma virus PCR results from a skin biopsy taken from a Hawaiian
>Green Turtle in March of 2001. We have in our records the sample was sent to
>you at Cornell. If you have any recollection or record of this testing,
>could you please contact me. We cannot find any hard copies of the test
>results, though our vets have recollections the test came up negative. Sorry
>to bother you with something that occured so far back in the past, but we
>are trying to tidy up our records.
>
>The turtle's ISIS number is 76, and the date the biopsy was taken is
>3/13/01.
>
>Thanks for any help you may be able to provide - it is greatly appreciated!
>
>Sincerely,
>
>Chris Bollier, MT(ASCP)
>Animal Hospital Lab
>Brookfield Zoo
>708-485-0263 x503

–

Dr.James W. Casey
Cornell University
Department of Microbiology and Immunology
C5-153 VMC
Ithaca, NY 14853

Phone 607-253-3579
FAX 607-253-3384
E-Mail jwc3@cornell.edu

Subj: **Sea turtles**
Date: 7/28/03 1:07:36 PM Pacific Daylight Time
From: GRDYE@BrookfieldZoo.org
To: PhinneyPin@aol.com
CC: PAMCGILL@BrookfieldZoo.org, BEPANOCH@BrookfieldZoo.org, GABRANDT@BrookfieldZoo.org, KESEMMEN@BrookfieldZoo.org
Sent from the Internet (Details)

Brian,
Here is the information you requested regarding the sea turtles at Brookfield Zoo. In regards to your questions as to how many animals the zoo would like to keep, it depends on the how the program is going to be run in the future. If ownership of the animals will be turned over to Brookfield Zoo we would like to keep two animals Neptune and Triton. If Sea Life Park will retain ownership we would prefer to keep just Neptune.

Please let me know if there is any other information you need.

Isis	Name	CL	CW	CT	Weight
76	Iago	1'11"	1'8"	6"	56.7 lbs (25.7 kg)
77	Bart	2'1"	1'10"	8"	66.0 lbs (29.9 kg)
990024	Neptune	2'7"	2'1"	9"	99.7 lbs (45.2 kg)
990023	Trition	2'5"	2'	8"	100.4 lbs (45.5 kg)

Greg

LO, Please forward to Brian

Subj: **RE: Green Sea Turtle Husbandry Manual**
Date: 12/4/02 11:00:52 AM Hawaiian Standard Time
From: GRDYE@BrookfieldZoo.org (DYE, GREG)
To: Slpanimalprogram@aol.com ('Slpanimalprogram@aol.com')

Mike,
I am just checking in to see where things are with the sea turtle project. I really need to know what the plan is going to be for these animals by the end of 2002. We are dealing will facility issues because of the size of some these animals and I don't feel it's in their best interest to keep them here in the long term. We are looking to move the two larger animals as soon as possible. We feel we can manage the other two with no problem. Shedd aquarium has offered to help us out- something I know you would prefer us not to do, but given the lack of communication and direction with this program I feel we may need to make this move if no other options are presented very quickly.

Please let me know if I can help in any way.

Regards,
Greg Dye

-----Original Message-----
From: Slpanimalprogram@aol.com [mailto:Slpanimalprogram@aol.com]
Sent: Monday, September 23, 2002 6:35 PM
To: grdye@brookfieldzoo.org
Subject: Green Sea Turtle Husbandry Manual

Aloha,

We have recently developed a husbandry manual, which contains recommended guidelines for the care of Green Sea Turtles. Please review the manual, specifically the section for nutritional needs, and return any comments you may have. I can be reached by email at slpanimalprogram@aol.com or telephone, (808) 259-2558 with any questions on it's content or application.

Mahalo,

Michael T. Osborn
Sea Life Park Hawaii

---------- Headers ----------
Return-Path: <GRDYE@BrookfieldZoo.org>
Received: from rly-xl01.mx.aol.com (rly-xl01.mail.aol.com [172.20.83.70]) by air-xl02.mail.aol.com (v89.21) with ESMTP id MAILINXL21-1204160052; Wed, 04 Dec 2002 16:00:52 1900
Received: from bznt05.BROOKFIELDZOO.ORG (st-207-63-101-199.brookfieldzoo.org [207.63.101.199]) by rly-xl01.mx.aol.com (v89.21) with ESMTP id MAILRELAYINXL110-1204160031; Wed, 04 Dec 2002 16:00:31 -0500
Received: by bznt05.BROOKFIELDZOO.ORG with Internet Mail Service (5.5.2653.19)
id <WL7Z910X>; Wed, 4 Dec 2002 14:59:14 -0600
Message-ID: <01F683617685FA4181391AC6C1348F832098FC@bznt05.BROOKFIELDZOO.ORG>
From: "DYE, GREG" <GRDYE@BrookfieldZoo.org>
To: "'Slpanimalprogram@aol.com'" <Slpanimalprogram@aol.com>
Subject: RE: Green Sea Turtle Husbandry Manual
Date: Wed, 4 Dec 2002 14:59:11 -0600
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: multipart/alternative;
boundary="---_=_NextPart_001_01C29BD7.FE8B6F60"

Subj: Sea Turtles
Date: 9/9/02 6:41:44 AM Hawaiian Standard Time
From: GRDYE@BrookfieldZoo.org (DYE, GREG)
To: moeloe@aol.com ('moeloe@aol.com')

Mike,
I am just following up on our conversation from a few weeks ago regarding the status of the sea turtle collection at Brookfield Zoo. We are currently housing four of Sea Life Parks animals- two we feel are large enough for release. We have been approached by Shedd Aquarium who has an interest in housing sea turtles. We have a very good working relationship with Shedd and feel they could offer a high quality home and care for two of the animals currently at the zoo- if the release of these animals is not in the near future. Can you let me know the process is for completing this transaction? I'm sure that George Parsons, the curator of fishes at Shedd, would be happy to forward photos of their facility as well as share their protocol for caring for this species. We are very glad to be a part of this program and look forward to continuing our involvement in the project for many years to come.

Thanks for help in this matter.

Regards,
Greg Dye
Assistant Curator of Marine Mammals
Brookfield Zoo
Phone - 708 485-0263, ext. 442
Fax - 708 485-3140
email - grdye@brookfieldzoo.org

Greg,
We are a waitin
information from
a couple more facilities
the mainland, before
can proceed with the
movements of any tu
If your turtles a
out growing their hab
maybe a temporary
solution may be Shedd
Aquarium. However
I would need the bless
from our Vets and
NMFS before anythin
could be done.
Mike Osborn.

Headers

Return-Path: <GRDYE@BrookfieldZoo.org>
Received: from rly-xa05.mx.aol.com (rly-xa05.mail.aol.com [172.20.105.74]) by air-xa04.mail.aol.com (v88.20) with ESMTP id MAILINXA42-0909124144; Mon, 09 Sep 2002 12:41:44 -0400
Received: from bznt05.BROOKFIELDZOO.ORG (st-207-63-101-199.brookfieldzoo.org [207.63.101.199]) by rly-xa05.mx.aol.com (v88.20) with ESMTP id MAILRELAYINXA54-0909124140; Mon, 09 Sep 2002 12:41:40 -0400
Received: by bznt05.BROOKFIELDZOO.ORG with Internet Mail Service (5.5.2653.19)
id <S3JFL5KR>; Mon, 9 Sep 2002 11:39:30 -0500
Message-ID: <01F683617685FA4181391AC6C1348F832096C9@bznt05.BROOKFIELDZOO.ORG>
From: "DYE, GREG" <GRDYE@BrookfieldZoo.org>
To: "'moeloe@aol.com'" <moeloe@aol.com>
Subject: Sea Turtles
Date: Mon, 9 Sep 2002 11:38:31 -0500
MIME-Version: 1.0
X-Mailer: Internet Mail Service (5.5.2653.19)
Content-Type: text/plain;
charset="iso-8859-1"

TO: Patty McGill
C.C. Gail Brandt, Greg Dye
From: Beth Panocha, Living Coast
Date: 05/02/2002
Re: Sea Turtle Information for Sea Life Park

General Information

On April 18, 2002 there was discussion of returning the larger 0.0.2 green sea turtles to Sea Life Park, HI. Not only are the two getting too large for their enclosure (causing a noticeable amount of boredom); there are also 0.0.2 that will soon need to be moved to the large display, LCOO, tank from a holding system, HT-14, they are outgrowing. The large display tank can only accommodate two green sea turtles and therefore it is crucial for the health and well being of all four that the larger two be returned to Sea Life Park in Hawaii. Below are the measurements and weights for all four sea turtles. The two residing in LCOO are the two that need to be returned.

Turtle	Isis #	Enclosure	CL	CW	CT*	Weight (kg)	Weight (lbs.)
Bart	77	LCHT-14	2 ft	1ft 7in	9.75 in	25.5	56.1
Iago	76	LCHT-14	1ft 11in	1ft 5in	10 in	22.75	50.1
Neptune	990024	LCOO	2ft 2in	1ft 9in	10 in	37.15	81.73
Triton	990023	LCOO	2ft 2in	1ft 9in	11.5 in	37.55	82.51

* An accurate carapace thickness measurement was difficult to obtain due to excessive movement

Both Triton and Neptune were received on 2/25/1999 at approximately 8 months old, weighing 1.24kg and 1.34 kg, respectively, each having a CL of approximately 8.5 inches. Both Bart and Iago were received on 3/29/2000 at approximately 1.5 years old, weighing 8.3kg and 8.1kg, respectively, each having a CL of 16 inches.

Tank Log and Dimensions

Sea turtle Isis # 77 "Iago" was received on 3/29/00 and placed into holding tank 11 (HT-11). On 4/1/00 was moved to holding tank 2 (HT-2). Iago was moved to his current location of holding tank 14 (HT-14) on 6/28/01.

Sea turtle Isis #76 "Bart" was received on 3/29/00 and placed into HT-11. Bart was then temporarily moved to HT-14 on 2/4/01 to be returned to HT-11 on 3/9/01. Bart was moved to his current location of HT-14 on 10/16/01.

Sea turtle Isis# 990024 "Neptune" Arrived on 2/25/99 and was placed in HT-2. From 4/12/99 until 5/31/99 Neptune was moved to living coast Open Ocean (LCOO) during the day and returned to HT-2 during the evening. On 5/31/99 Neptune was permanently placed into LCOO.

Sea turtle Isis# 990023 "Triton" Arrived on 2/25/99 and was placed in HT-2. From 4/12/99 until 5/31/99 Triton was moved to living coast Open Ocean (LCOO) during the day and returned to HT-2 during the evening. On 5/31/99 Triton was permanently placed into LCOO.

LCOO has dimensions of 16.5-ft. depth, 25-ft length, 13-ft width, with a total volume of approximately 40,000 gal. HT-14 has dimensions of 3-ft depth, 5-ft width, and 16-ft length, with a total volume of 1790.4 gal. HT-2 and HT-11 have the same dimensions of 4-ft depth, 5-ft length, and 5-ft width with a total volume of 760 gal.

Copies of medical and taxon reports are attached, as well as a CD of the photographs requested.


Memorex
Columbus Zoo
8-16-03
CD-R
700 MB 80 MINUTE
COMPACT disc Recordable
1

COLUMBUS ZOO
COLUMBUS, OHIO

"Maui" - Columbus Zoo – DOB: 8/24/97

Subj: **RE: carapace thickness**
Date: 7/23/2003 9:53:01 AM Pacific Daylight Time
From: Mike.Brittsan@columbuszoo.org
To: PhinneyPin@aol.com
CC: Becky.Ellsworth@columbuszoo.org, Doug.Warmolts@columbuszoo.org
Sent from the Internet (Details)

Hello Brian,

I am asking Becky Ellsworth to get us that bit of information for you.

We are interested in retaining the turtle here, unless we can find a smaller replacement animal from you. The information we are learning from this animal, and the educational message she sends to our 1.3 million visitors is valuable.

Thanks for your efforts

Mike Brittsan M.Sc.
Curator Columbus Zoo and Aquarium
9990 Riverside drive
Powell, OH 43065
614 645-3580
Mike.Brittsan@columbuszoo.org

-----Original Message-----
From: PhinneyPin@aol.com [mailto:PhinneyPin@aol.com]
Sent: Tuesday, July 22, 2003 10:40 PM
To: Brittsan, Mike
Subject: carapace thickness

Dear Mike,

I am trying to wrap up the mainland turtle information. One piece of information that I don't have from you is the maximum carapace thickness. Can you
let me know what that might be?

Do you still have interest in keeping this turtle?

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

Chelonia mydas From Sea life Park Growth rates
D.O.B. 8/24/97 ID# ZF 75 (Sea life Park) Columbus Zoo accession# 983001

SCL= straight carapace length: CCL= curved carapace length:
SCW= straight carapace width: CCW= curved carapace width:
HW= Head width: weight = Kg
ALL MEASUREMENTS IN INCHES

Date	SCL inches	CCL inches	SCW inches	CCW inches	HW inches	weight KG	Shell width in
5/26/98	9.55	9.57	7.49	7.65	1.48	1.88	
9/4/98	11.25	11.81	11.75	9.34	1.78	3.11	
12/5/98	13.36	13.50	11.99	11.05	2.06	5.0	
3/5/99	15.93	17.21	13.11	15.60	2.52	9.0	
11/10/99	19.47	20.30	15.96	18.43	3.07	17.5	
3/29/00	20.71	21.97	16.53	19.86	3.22	?	
12/8/00	22.90	24.40	19.0	22.0	3.65	27.7	
5/23/01	24.2	25.61	19.26	23.35	3.69	33.2	
6/7/02						42.0	
1/27/03	27.5	30.0	22.5	27.2	4.60	46.2	
7/28/03	29.5	31.5	22.5	29.0	5.0	?	.75 inches
	Hole	12.4	8.9	11.4	2		
	74.9	80.0	57.2	73.7	12.7		

Subj: **RE: Hawaiian sea turtles**
Date: 2/13/03 12:50:28 PM Pacific Standard Time
From: mbrittsa@colszoo.org
To: PhinneyPin@aol.com
CC: Slpanimalprogram@aol.com, gbalazs@honlab.nmfs.hawaii.edu
File: **CheloniamydasFromSealifeParkGrowthrates.zip** (2246640 bytes) DL Time (TCP/IP): < 3 minutes
Sent from the Internet (Details)

Hello Brian,

I have attached the information you requested. The latest physical was given on 1/27/03 and analysis is below in PDF. I trust the Jpeg images will be adequate. If you need more pictures let me know. Food chart and measurements are also included.

The turtle is currently comfortable in our 100,000 gallon exhibit. It is certainly not too large for the exhibit, and the turtle gives us no trouble.

We would be pleased to keep the animal.

Mike Brittsan M.Sc.
Curator Columbus Zoo and Aquarium
9990 Riverside drive
Powell, OH 43065
614 645-3580
mbrittsa@colszoo.org

-----Original Message-----
From: PhinneyPin@aol.com [mailto:PhinneyPin@aol.com]
Sent: Saturday, December 28, 2002 10:49 AM
To: Brittsan, Mike
Cc: Slpanimalprogram@aol.com; gbalazs@honlab.nmfs.hawaii.edu
Subject: Hawaiian sea turtles

Dear Mike,

Thank you for the information that you submitted from your Hawaiian sea turtles. Your information was amongs the most complete.

I do have a few questions and requests for additional information.

You mention that you might be interested in permenently housing the turtles. If there are to be no more turtle loans to the mainland, are you interested in keeping your turtles?

Secondly, I note that the most recent blood work from your turtles was dated May 23, 2001. Can we see more recent blood work and an update of the turtle's medical records since that time?

Third, the most recent measurements that we received were from May 23, 2001, can we have more current measurements?

Last, can you send us digital photographs on a cd of the images that we request in the May 10, 2002 memo?

Subj: RE: Green Sea Turtle Information Request
Date: 6/14/02 8:28:03 AM Hawaiian Standard Time
From: gbalazs@honlab.nmfs.hawaii.edu (George H. Balazs)
To: PhinneyPin@aol.com (Brian Joseph)
CC: Slpanimalprogram@aol.com (Sea Life Park Hawaii), MOELOE@aol.com

sure doesn't sound like a person chewing at the bit to get rid of an unwanted turtle!

On Fri, 14 Jun 2002, Brittsan, Mike wrote:

> Dear Brian and Gregg,
>
> Please forgive my late reply, I have been in China on a biological survey for
> the past month.
>
> I have attached four documents below in response to your memo dated 5/10/02.
> The documents consist of; Memo on brief history, a medical synopsis, growth
> rates, diet, and digital pictures of Sea life Park identification # ZF 75.
> I have Lab tests on CBC and VDL profile which will need to be faxed to you
> (the lab data is from 5/23/01).
>
> The green sea turtle we have on loan from Sea Life Park continues to do well
> and is loved by our visitors as well as staff. We get about 1.3 million
> visitors/year. Our visitors have the opportunity to learn about sea turtle
> plight, as well as general biology and ecology of those animals. The sea
> turtle has, and continues to be, apart of MANY educational programs. We have
> also done quite a few "long distance programs" with the animal, where (via
> video) the animal "goes into" many classrooms throughout Ohio, and parts of
> the U.S. We would like to continue to hold the sea turtle, unless a smaller
> animal is made available.
>
> Please review the following attachments and respond as necessary.
>
> Mike Brittsan, M.Sc.
> Curator Columbus Zoo and Aquarium
> 9990 Riverside Drive
> Powell, OH 43065
> 614 645-3580
> mbrittsa@colszoo.org
>
>
> ----Original Message----
> From: Slpanimalprogram@aol.com [mailto:Slpanimalprogram@aol.com]
> Sent: Thursday, June 13, 2002 5:26 PM
> To: zoovet-j@dwazoo.com; lesackso@brookfieldzoo.org; Brittsan, Mike;
> dsrow@oklzoo.com
> Cc: gbalazs@honlab.nmfs.hawaii.edu; MOELOE@aol.com
> Subject: Green Sea Turtle Information Request
>
>
> Attached is a copy of a memo dated May 10, 2002 requesting information
> regarding Sea Life Park's Hawaiian Green Sea Turtles that are currently held
> at your facility.
>
> We are actively working on a plan for the final disposition of all Sea Life
> Park Hawaiian Green Sea Turtles currently housed on the mainland USA.
> Therefore, it is extremely important we receive this information as soon as

> possible so we may move forward. Until we receive everyone's information
> back, we cannot evaluate any of it and until we evaluate the information,
> there is no chance for us to propose a resolution.
>
> Mahalo,
>
> Brian E. Joseph, DVM
> Attending Veterinarian
> Sea Life Park Hawaii
>
> Gregg Levine, DVM
> Staff Veterinarian
> Sea Life Park Hawaii
>
>
>
>
>
>

---------- Headers ----------

Return-Path: <gbalazs@honlab.nmfs.hawaii.edu>
Received: from rly-zd04.mx.aol.com (rly-zd04.mail.aol.com [172.31.33.228]) by air-zd04.mail.aol.com (v86.11) with ESMTP id MAILINZD44-0614142803; Fri, 14 Jun 2002 14:28:03 2000
Received: from honlab.nmfs.hawaii.edu (honlab.nmfs.hawaii.edu [128.171.242.32]) by rly-zd04.mx.aol.com (v86_r1.13) with ESMTP id MAILRELAYINZD42-0614142739; Fri, 14 Jun 2002 14:27:39 -0400
Received: from localhost (gbalazs@localhost)
by honlab.nmfs.hawaii.edu (SGI-8.9.3/8.9.3) with ESMTP id IAA81972;
Fri, 14 Jun 2002 08:27:45 -1000 (HST)
Date: Fri, 14 Jun 2002 08:27:45 -1000
From: "George H. Balazs" <gbalazs@honlab.nmfs.hawaii.edu>
To: Brian Joseph <PhinneyPin@aol.com>
cc: Sea Life Park Hawaii <Slpanimalprogram@aol.com>, <MOELOE@aol.com>
Subject: RE: Green Sea Turtle Information Request
In-Reply-To: <F24FC1046FD17D4695A20764047AEE41AA99CF@zooexch1.colszoo.org>
Message-ID: <Pine.SGI.4.33.0206140826520.81412-100000@honlab.nmfs.hawaii.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Subj:	**RE: Green Sea Turtle Information Request**
Date:	6/14/02 5:28:48 AM Hawaiian Standard Time
From:	*mbrittsa@colszoo.org (Brittsan, Mike)*
To:	*Slpanimalprogram@aol.com*
CC:	*gbalazs@honlab.nmfs.hawaii.edu, MOELOE@aol.com*
File:	**SEALIFEPARKMEMOseaturtle.zip** (947186 bytes) DL Time (49333 bps): < 5 minutes

Dear Brian and Gregg,

Please forgive my late reply, I have been in China on a biological survey for the past month.

I have attached four documents below in response to your memo dated 5/10/02. The documents consist of; on brief history, a medical synopsis, growth rates, diet, and digital pictures of Sea life Park identification # ZF 75. I have Lab tests on CBC and VDL profile which will need to be faxed to you (the lab data is from 5/23/01).

The green sea turtle we have on loan from Sea Life Park continues to do well and is loved by our visitors as well as staff. We get about 1.3 million visitors/year. Our visitors have the opportunity to learn about sea turtle plight, well as general biology and ecology of those animals. The sea turtle has, and continues to be, apart of MANY educational programs. We have also done quite a few "long distance programs" with the animal, where (via video) the animal "goes into" many classrooms throughout Ohio, and parts of the U.S. We would like to continue to hold the sea turtle, unless a smaller animal is made available.

Please review the following attachments and respond as necessary.

Mike Brittsan, M.Sc.
Curator Columbus Zoo and Aquarium
9990 Riverside Drive
Powell, OH 43065
614 645-3580
mbrittsa@colszoo.org

-----Original Message-----
From: Slpanimalprogram@aol.com [mailto:Slpanimalprogram@aol.com]
Sent: Thursday, June 13, 2002 5:26 PM
To: zoovet-j@dwazoo.com; lesackso@brookfieldzoo.org; Brittsan, Mike; dsrow@oklzoo.com
Cc: gbalazs@honlab.nmfs.hawaii.edu; MOELOE@aol.com
Subject: Green Sea Turtle Information Request

Attached is a copy of a memo dated May 10, 2002 requesting information regarding Sea Life Park's Hawaiian Green Sea Turtles that are currently held at your facility.

We are actively working on a plan for the final disposition of all Sea Life Park Hawaiian Green Sea Turtles currently housed on the mainland USA. Therefore, it is extremely important we receive this information as soon as possible so we may move forward. Until we receive everyone's information back, we cannot evaluate any of it and until we evaluate the information, there is no chance for us to propose a resolution.

Mahalo,

Brian E. Joseph, DVM
Attending Veterinarian
Sea Life Park Hawaii

Gregg Levine, DVM
Staff Veterinarian
Sea Life Park Hawaii

RESPONSE TO SEA LIFE PARK MEMO DATED 5/10/02

To: Brian E. Joseph and Michael T. Osborn

From: Mike Brittsan, Curator, Columbus Zoo and Aquarium

Date: 6/14/02

Subject: Chelonia mydas at Columbus Zoo

The green sea turtle on loan from Sea Life Park Hawaii to the Columbus Zoo continues to do well, and is loved by the public as well as staff. We would like to continue to hold the animal unless a smaller replacement animal can be made available. The general public continues to learn about the plight and characteristics of sea turtles in general.

Below is the response to your memo:

History of animal; The green sea turtle has always been the only sea turtle held in this exhibit (excluding other sea turtles from Sea Life Park). There has never been more than one sea turtle housed together in the system. The exhibit is a 100,000 gallon tank with Indo-Pacific fish and Elasmobranchs. Filtration consists of Sand filters, Ozone and reverse flow undergravel. Water quality has always been exceptionally well with no disease problems. Recently we have started medical conditioning to train the turtle to go to a netted holding area, in effort to record weight and measurement information. The conditioning has worked well and photographs are included showing the netting device. See attached digital images.

I have also attached a document which shows some growth data starting on 5/28/98.

Medical information is also attached. I have Veterinary Diagnostics that will need to be faxed. The Diagnostics include CBC; VDL profile and were performed on 5/23/01.

Please feel free to get in touch with me.

Mike Brittsan, M. Sc.
Curator Columbus Zoo and Aquarium
9990 Riverside drive
Powell, OH 43065
614 645-3580
mbrittsa@colszoo.org

Clinical Notes - Individual Specimen Report
COLUMBUS ZOOLOGICAL GARDENS

Scientific Name: CHELONIA MYDAS
Common Name: ATLANTIC GREEN TURTLE
Name: Maui

Accession #: 983001
Unknown
Birth: 24.Aug.1997

.....2001...

23.May.2001

Weight: 33.25 Kg (73.3 Lb)

KPR REPORT:NOT EATING SAME; EXAM

It was time again for routine measurments and weight, and curator requested that vet staff examine the turtle in reponse to a request by Dr. Gregg Levine to examine the oral cavity for lesions such as those recently seen in other see turtles. The lesions have consisted of oral plaques, ulcers and inflammation, primarily on the soft palate. Also requested that blood be drawn. Kprs have reported recently that this turtle has not been coming up to the surface of the water to feed as enthusiastically as in the past. The animal still seems active and does eat, just doesn't come up right away to do it, which is a change.

Proc:
1. Manual restraint
2. Wt=33.25kg
3. Tag/Band verified: ZF75 R Front Flipper
4. Exam: EENT-No sign of any oral lesions, looked good; Rest of PE WNL also.
5. Blood drawn (occipital sinus) for CBC and chemistry

Assess: Looked good. No obvious signs of disease or cause for change in feeding behavior. Bloodwork pending.

Plan: Assess bloodwork when available. (RPB)

27.May.2001

BLOODWORK RESULTS
Results of CBC and chemistry are WNL. (RPB)

Printed on: 7.Jun.2002 /ISIS/MedARKS/5.31j

Discovery Reef tank: sea turtle daily feeds

Sunday

	Capelin
1	**stick celery**
4 oz	**Gel**
1	**red pepper**

Monday

	Brussel Sprouts
8 oz	**Smelt**
4 oz	**Gel**
1	**Carrot**
	Sea Tab Vitamins

Tuesday

1	**Cucumber**
8 oz	**Whole Shrimp**
4 oz	**Gel**
	Cauliflower

Wednesday

	Squid
1	**Red Pepper**
4 oz	**Gel**
	Sea Tab vitamins

Thursday

	Smelt
1	**carrot**
4 oz	**Gel**
1	**Zucchini**

Friday

	Cod
	Cauliflower
4 oz	**Gel**
1	**Cucumber**

Saturday

16 oz	**Squid**
1	**Squash**
4 oz	**Gel**
	Sweet Potato
	Sea tab vitamins

Subj.- Housing record for Green Sea Turtles(Chelonia mydas) at the Oklahoma City Zoo

Specimen ID#'s(Tag/Band): E942&E952

Birth Type: Captive born

Birth Date: 1 Aug 1998 est. to month for both tags

Acq. Date: 2 Apr 1999 for both tags

Terms: Loan from Sea Life Park/Waimanalo

History: Months 1-6- Both specimens housed together in a 1000gal. Aquarium with no other animals. Months6-24: Specimens separated and each placed in separate 1000gal. Aquariums with no other animals. Months 24-present: One specimen placed in 20,000gal. saltwater aquarium(fish only!). Second specimen placed in 5000gal. saltwater holding tank with no other animals.

Note: Neither specimen has had any contact with any other reptiles other than each other and no other animals except tropical fish.

Columbus Zoo Animal Health Center Lab Submission Form

Stat: Yes ___ No X

Species: Chelonia mydas Common Name: Green Sea Turtle House Name: ___

Accession #: 983001 Other ID: ZF75 Age: ___ Sex: ___

Purpose: Quarantine ___ Pre-shipment X Annual ___ Routine ___ Other ___ Dx ___

Sample Collection Information:

Restraint: (1.) Manual 2. Chemical

Date: 23/5/01

Time: 1315

Health Status: (1.) Normal 2. Abnormal

Pre- Sample Fasting Time:
(1.) < 8 hours
2. 8-24 hours
3. 24-48 hours
4. > 48 hours

Activity Prior to Sample Collection:
(1.) Calm 2. Active 3. Excited

Actual Body Weight: (if known)
33.25 (Kg) Lb 35 Gm

Collection Site:
B. Brachial Vein
C. Cardiac
Cephalic Vein
E. Ear Vein
F. Femoral Artery
Femoral Vein
J. Jugular Vein
M. Metatarsal Vein
S. Saphenous Vein
T. Tail Vein
U. Ulnar Vein
(O.) Other Cranial Sinus

Collection by: ___

Sample Analysis Information:

CBC with Diff. X Platelet Count ___ WBC Count ___ Fibrinogen ___ RBC Count ___ PCV ___ Total Protein ___

Testing Priority/Special Requests: ___

Date of Hematology Analysis: 23/5/01

Time Analysis was Started: 1545

Time Blood Smear was made: 1543

Date of Chemistry Analysis: 24/5/01

Time Analysis was Started: ___

Automated Analysis:
Yes ___ No X

Laboratory Performing Test (s):
(1.) Columbus Zoo - CBC
(2.) VDL - Profile
3. Ohio Dept. Agriculture
4. WAADL
5. University of Miami
O. Other ___

Analysis by:
(1.) MJK (2.) PDH
O. Other ___

Type of Sample:
1. Serum
(2.) Plasma - Profile
(3.) Whole Blood - CBC

Anticoagulant:
1. EDTA
(2.) Heparin
3. Oxalat
4. Citrate
5. Other

Form of Anticoagulant:
(1.) Dry
2. Liquid

Was the sample completely or partially clotted? Yes ___ No X

Stain Used:
(1.) Diff-Quick" Type
2. Wrights
3. Wright's Giemsa
4. May-Grunwald
5. Other

Sample Appearance:
(- Hemolysis + Hemolysis
(- Icterus + Icterus
(- Lipemia + Lipemia

Small sample volume:
(Blood: anticoagulant ratio too low?)
Yes ___
No X

Storage Conditions:
(1.) Fresh (< 10 hrs)
2. Refrigerated (< 48 hrs)
3. Room Temp. (> 10 hrs)
4. Refrigerated (> 48 hrs)
5. Frozen (Temp ___)

Sample conditions:
(-) Sample is not deteriorated
+ Sample is deteriorated

Differential Method: (+) Manual differential
- Automated differential

Tech PH Tech MK Vet ___ Vet ___ Entered ___ To be Filed

Revised 1/2001 DK

Hematology Tests and Results

Hemoglobin ____ gm/dl
PCV/HCT 42
Plasma Protein 5.6 gm/dl
Red Blood Cell Count 1.1 x10^6/ul
Reticulocytes ____ %
White Blood Cell Count 7.2 x10^3/ul
Neutrophilic Myelocytes ____ x10^3/ul
Neutrophilic Metamyelocytes ____ %
Neutrophilic Bands ____ % ____ /mm3
Segmented Neutrophils 28 % 2.0 /mm3
Lymphocytes 70 5.0 /mm3
Monocytes 2 % .1 /mm3
Eosinophils ____ % ____ /mm3
Basophils ____ % ____ /mm3
Nucleated Red Blood Cells ____ /100 WBC
Estimated Platelet Count ____
Platelet Count ____
Azurophils ____

Extra Hematology Tests:

Test	Results

Morphology Tests and Results

Acanthocytosis ____
Anisocytosis ____
Hypochromia ____
Microcytosis ____
Poikilocytosis ____
Polychromasia ____
Spherocytosis ____
Target Cells ____

Extra Morphology Tests:

Tests	Results

Hematology Comments: ____

Chemistries Tests and Results

Albumin (Colorimetry) ____ gm/dl
Alkaline Phosphatase ____ iu/l
Amylase ____ u/l
Blood Urea Nitrogen (BUN) ____ mg/dl
Calcium ____ mg/dl
Creatinine ____ mg/dl
Glucose ____ mg/dl
Phosphorus ____ mg/dl
Alanine Aminotransferase (ALT) ____ iu/l
Total Protein (Colorimetry) ____ gm/dl
Total Bilirubin ____ mg/dl
Sodium ____ meq/l
Potassium ____ meq/l
Chloride ____ meq/l
Triglyceride ____ mg/dl
Lipase ____ u/l
Gamma Glutamyltransferase ____ iu/l
Cholesterol ____ mg/dl
Creatine Phosphokinase (CPK) ____ iu/l
Aspartate Aminotransferase (AST) ____ iu/l
Carbon Dioxide (CO2) ____ mmol/l
Albumin Globulin Ratio ____ gm/dl
Globulin (Colorimetry) ____ gm/dl
Uric Acid ____ mg/dl
Lactate Dehydrogenase (LDH) ____ iu/l
Total Protein (R) ____ gm/dl
Direct Bilirubin ____ mg/dl
Indirect Bilirubin ____ mg/dl
Osmolarity ____ mosmol/l
Iron ____ mcg/dl
MG ____ mg/dl
HCO3 (Bicarbonate) ____ meq/l
Fibrinogen ____ mg/dl

Extra Chemistry Tests:

Test	Results

Chemistry Comments: ____

Veterinary Diagnostics

5747 Cleveland Avenue, Columbus Ohio 43231
Phone:(614) 882-7562 FAX:(614)899-4840

Page: 1

Account No: 515
Client:
Columbus Zoo^A
990 Riverside Drive
Powell, Ohio, 43065
45-3155/645-3596

Patient:
683001 Turtle 5/23/01
Species: U Unknown

Accession 671285
ID: 132644
Received: 5/24/01 @ 6:14 AM
Reported: 5/24/01 @ 8:00 AM
Status: Final Report

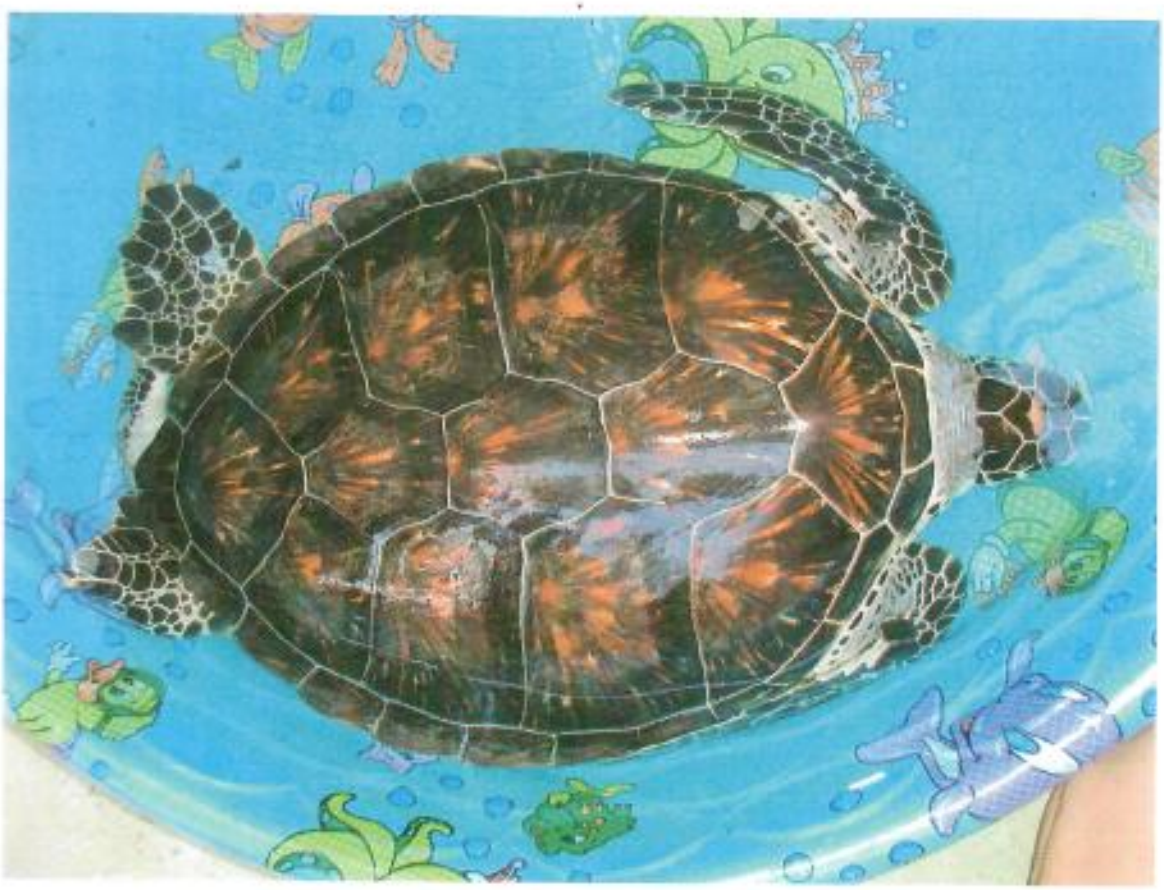
Test Name	Result	Units	Reference Range	Notes
Extended Profile				
Albumin	2.7	gm/dl		
Alkaline Phosphatase	23	U/L		
Amylase	839	U/L		
BUN	44	mg/dl		
Calcium	9.7	mg/dl		
Creatinine	0.3	mg/dl		
Glucose	108	mg/dl		
Phosphorus	5.3	mg/dl		
ALT (SGPT)	3	U/L		
Serum Protein	5.5	gm/dl		
Total Bilirubin	0.2	mg/dl		
Sodium	158	mmol/L		
Potassium	4.1	mmol/L		
Chloride	117	mmol/L		
Cholesterol	190	mg/dl		
Triglycerides	351	mg/dl		
Lipase	15	U/L		
GGT	3	U/L		
CPK	692	U/L		
AST (SGOT)	240	U/L		
Uric Acid	1.1	mg/dl		
Bicarbonate	22.0	mmol/L		
A/G Ratio	0.96			
Globulin	2.8	gm/dl		
Lipemic Index	11			
Hemolytic Index	11			
Icteric Index	0			
LDH	68	U/L		

Date Printed: 5/24/01 8:00 AM

> H - High
< L - Low

"Continue"
All Results Included

DALLAS WORLD AQUARIUM
DALLAS, TEXAS



Subj: **RE: turtle information**
Date: 6/27/03 4:16:53 PM Pacific Daylight Time
From: zoovet@dwazoo.com (Jan Raines, DVM)
To: PhinneyPin@aol.com

Hi,

Here is the latest on our Sea Turtle "Clyde". Our fish staff measured him on 16 May 2003 and his along the curve length is 76.2 cm. I know you would prefer a straight length so if you would like us to re-measure I can.

He is on a 98% vegetation diet. He does occasionally snag a fish that they are feeding to the other fish on exhibit with him but otherwise he is a Romaine-a-holic!

I apologize on the paucity of clinical notes on our turtles. We only handle them once a year and I don't always note comments or husbandry changes we have made according to indications from the bloodwork. I will tell you that you guys have made the change in diet so much easier. I had been fighting our fish staff for years to get more greens in their diet and losing Bonnie and my subsequent notes from Mike helped motivate them.

If you need any more information-let me know.

Jan
Dallas World Aquarium

-----Original Message-----
From: PhinneyPin@aol.com [mailto:PhinneyPin@aol.com]
Sent: Thursday, June 26, 2003 1:38 PM
To: zoovet@dwazoo.com; mbrittsa@colszoo.org; bryana@okczoo.org
Cc: SLPMOSBORN@aol.com
Subject: turtle information

Almost two weeks ago I sent you a request for updated information concerning
the Hawaiian green sea turtles that you are housing on the mainland. I have
not received anything from you and would like to know how soon I can expect the
information?

National Marine Fisheries Service is very interested in our resolution of the
mainland turtle issue.

Please let me know.

Thank you.

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

Subj: **Re: mainland sea turtles**
Date: 12/28/02 7:59:24 AM Pacific Standard Time
From: zoovet@dwazoo.com
To: PhinneyPin@aol.com
Sent from the Internet (Details)

I'm not sure what we are missing but I do know that I did not mention what this turtle had been housed with. The only reptile this animal has been housed with was the female Green Sea Turtle whose necropsy report was sent to you. It has been housed in a tank of tropical fish since its arrival.

Let me know what else you may need.

Jan

—— Original Message ——
From: <PhinneyPin@aol.com>
To: <zoovet@dwazoo.com>; <gdye@brookfieldzoo.org>; <amaguir@mail.mnzoo.state.mn.us>; <mbrittsa@colszoo.org>; <dwhitton@okczoo.org>
Cc: <Slpanimalprogram@aol.com>; <gbalazs@honlab.nmfs.hawaii.edu>
Sent: Saturday, December 28, 2002 9:38 AM
Subject: mainland sea turtles

> Dear All,
>
> I finally received information from each of you concerning the Hawaiian sea
> turtles that are currently housed in your facilities and spent yesterday
> reviewing the information. Unfortunately, no one sent all the information
> that we requested in our May 10, 2002 memo, although Alan Maguir came really
> close. So, I will be contacting each of you requesting the information that
> you left out.
>
> We won't be able to complete our assessment and formulate a proposal for the
> disposition of the turtles until we have all the information.
>
> I have attached a copy of the May 10, 2002 memo for your careful examination.
>
> Thank you. We really would like to resolve this issue.
>
> Brian E. Joseph, DVM
> 10349 Maddelein Lane
> Palo Cedro, CA 96073
> (530) 549-3245 home
> (530) 515-2001 cell
> (530) 549-3845 fax
>

Subj: Re: Green Sea Turtle Information Request
Date: 6/25/02 12:56:30 PM Hawaiian Standard Time
From: zoovet@dwazoo.com (Jan Raines, D.V.M.)
To: Slpanimalprogram@aol.com

I was discussing with my director the latest update from you guys and he had an interesting proposal. You see, we just moved our two Greens into a large outdoor exhibit and they are thriving out there. We were wondering if we could just keep our turtles for the rest of their natural life? Just seems like a lot of stress on the animals to move them especially since they are only getting larger (one of ours weighs 160 pounds) and they appear to be comfortable here. My director is so pleased with how the animals are settling in to their outdoor enclosure he is willing to join Mandalay Bay in offering a home for them, particularly those animals that are deemed unreleasable.

Is this even an option we could pursue? Do we have to get permission from the state of Hawaii? Let us know, this may be the best option for all concerned.

Thank you for your time.

Jan Raines, DVM
Dallas World Aquarium

At 05:26 PM 6/13/02 -0400, you wrote:
>Attached is a copy of a memo dated May 10, 2002 requesting information
>regarding Sea Life Park's Hawaiian Green Sea Turtles that are currently
>held at your facility.
>
>We are actively working on a plan for the final disposition of all Sea
>Life Park Hawaiian Green Sea Turtles currently housed on the mainland
>USA. Therefore, it is extremely important we receive this information as
>soon as possible so we may move forward. Until we receive everyone's
>information back, we cannot evaluate any of it and until we evaluate the
>information, there is no chance for us to propose a resolution.
>
>Mahalo,
>
>Brian E. Joseph, DVM
>Attending Veterinarian
>Sea Life Park Hawaii
>
>Gregg Levine, DVM
>Staff Veterinarian
>Sea Life Park Hawaii
>

---------- Headers ----------
Return-Path: <zoovet@dwazoo.com>
Received: from rly-st04.mail.aol.com (rly-st04.mail.aol.com [172.20.75.163]) by air-xb03.mail.aol.com (v86_r1.13) with ESMTP id MAILINXB31-0625185630; Tue, 25 Jun 2002 18:56:30 -0400
Received: from rly-za04.mx.aol.com (rly-za04.mail.aol.com [172.31.36.100])
by rly-st04.mail.aol.com (8.8.8/8.8.8/AOL-5.0.0)
with ESMTP id RAA18875 for <slpanimalprogram@aol.com>;

ANTECH DIAGNOSTICS 2621 W. Airport Freeway Irving TX 75062 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC01312371	NA	DWA	CLYDE	08/08/2003

Species	Breed	Sex	Pet Age	Reported
Turtle		M		08/08/2003 02:55 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	3.5	3-8	1000/uL
RBC Morphology	Normal		
Blood Parasites	Negative	None Seen	
Heterophils	11 (LOW)	40-60	%
Heterophil Absolute	385 (LOW)	1800-6100	
Lymphocytes	88 (HIGH)	40-60	%
Absolutes	3080 (HIGH)	120-2140	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Basophils	1	0-1	%
Absolutes	35	0-3000	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	31	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1072 (HIGH)	10-50	IU/L
Total Protein	4.3	3.3-5.5	g/dL
Albumin	2.4		g/dL
BUN	75	5.0-8.0	mg/dL
Phosphorus	9.2 (HIGH)	8.0-13.0	mg/dL
Calcium	7.8 (LOW)	40-120	mg/dL
Glucose	105	130-150	mg/dL
Sodium	156 (HIGH)	2.0-5.5	mEq/L
Potassium	4.1	90-120	mEq/L
Chloride	119		mEq/L
CPK	319	2.0-7.0	IU/L
Uric Acid	2.4		mg/dL
Globulin	1.9		g/dL

FINAL

08/08/2003 02:55 PM

ANTECH DIAGNOSTICS 2621 W. Airport Freeway Irving TX 75062 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC00312732	NONE	DWA	CLYDE	09/18/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Turtle				09/19/2002 01:46 AM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	9.0 (HIGH)	3-8	1000/uL
RBC Morphology			
EARLY RED CELLS NOTED ON SLIDE			
Blood Parasites	Negative	None Seen	
Heterophils	63 (HIGH)	40-60	%
Heterophil Absolute	5670	1800-6100	
Lymphocytes	15 (LOW)	40-60	%
Absolutes	1350	120-2140	
Monocytes	22 (HIGH)	0-1	%
Absolutes	1980 (HIGH)	0-190	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	34	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1857 (HIGH)	10-80	IU/L
Total Protein	5.0	3.3-5.5	g/dL
Albumin	2.3		g/dL
BUN	71 (HIGH)	3-8	mg/dL
Phosphorus	8.2 (HIGH)	5.0-8.0	mg/dL
Calcium	4.7 (LOW)	8.0-13.0	mg/dL
RESULT RECHECKED			
Glucose	109	40-120	mg/dL
Sodium	149	130-150	mEq/L
Potassium	4.2	2.0-5.5	mEq/L
Chloride	104	90-120	mEq/L
CPK	1872 (HIGH)	50-400	IU/L
Uric Acid	0.7 (LOW)	2.0-7.0	mg/dL
Globulin	2.7		g/dL

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Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC00039471	NA	DWA	CLYDE	05/22/2002

Species	Breed	Sex	Pet Age	Reported
Turtle			4Y	05/29/2002 01:07 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	4.5	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Obs	None Seen	
Heterophils	70 (HIGH)	40-60	%
Heterophil Absolute	3150	1800-6100	
Lymphocytes	30 (LOW)	40-60	%
Absolutes	1350	120-2140	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
*Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	30	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	5934 (HIGH)	10-80	IU/L
RECHECKED BY DILUTION.			
Total Protein	5.9 (HIGH)	3.3-5.5	g/dL
Albumin	2.4		g/dL
BUN	107 (HIGH)	3-8	mg/dL
Phosphorus	8.7 (HIGH)	5.0-8.0	mg/dL
Calcium	7.8 (LOW)	8.0-13.0	mg/dL
Glucose	112	40-120	mg/dL
Sodium	151 (HIGH)	130-150	mEq/L
Potassium	3.6	2.0-5.5	mEq/L
Chloride	108	90-120	mEq/L
CPK	362	50-400	IU/L
Uric Acid	3.2	2.0-7.0	mg/dL
Globulin	3.5		g/dL
ASPERGILLUS ANTIBODY (AVIAN)			
Avian Aspergillus (ELISA)	1.0		

TEST PERFORMED AT THE UNIVERSITY OF MIAMI.
MOST BIRDS:

NEGATIVE	<0.12
LOW POSITIVE	0.12 - 0.249
MID POSITIVE	0.25 - 0.499
HIGH POSITIVE	>0.5

Accession No.	Doctor	Owner	Pet Name
DLBC00039471	NA	DWA	CLYDE

Test Requested	Results	Reference Range	Units
SWANS:			
NEGATIVE	<0.22		
LOW POSITIVE	0.22 - 0.349		

A positive titer supports previous or current infection with aspergillus. A negative titer does not exclude aspergillosis. Results are best interpreted in light of clinical presentation, aspergillus antigen test, and electrophoresis.

TEST PERFORMED AT THE RAPTOR CENTER

MYCOPLASMA (REPTILE&TURTLE)

Mycoplasma (ELISA)

Less than 1:32 Negative

TEST PERFORMED AT UNIVERSITY OF FLORIDA

ANTECH DIAGNOSTICS 2621 W. Airport Freeway Irving TX 75062 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC00039471	NA	**DWA**	CLYDE	05/22/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Turtle			4Y	05/22/2002 03:18 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	4.5	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Obs	None Seen	
Heterophils	70 (HIGH)	40-60	%
Heterophil Absolute	3150	1800-6100	
Lymphocytes	30 (LOW)	40-60	%
Absolutes	1350	120-2140	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	30	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	5934 (HIGH)	10-80	IU/L
RECHECKED BY DILUTION.			
Total Protein	5.9 (HIGH)	3.3-5.5	g/dL
Albumin	2.4		g/dL
BUN	107 (HIGH)	3-8	mg/dL
Phosphorus	8.7 (HIGH)	5.0-8.0	mg/dL
Calcium	7.8 (LOW)	8.0-13.0	mg/dL
Glucose	112	40-120	mg/dL
Sodium	151 (HIGH)	130-150	mEq/L
Potassium	3.6	2.0-5.5	mEq/L
Chloride	108	90-120	mEq/L
CPK	362	50-400	IU/L
Uric Acid	3.2	2.0-7.0	mg/dL
Globulin	3.5		g/dL

ASPERGILLUS ANTIBODY (AVIAN) (Pending)
MYCOPLASMA (REPTILE&TURTLE) (Pending)

Report Start Date

Specimen Report for 99R002

Report End Date
5/26/00

Taxonomic name: *Chelonia mydas*
Common name: ATLANTIC GREEN TURTLE

Family: Cheloniidae
Order: Chelonia

Current Information

"Clyde"

Sex:	Male	Sire ID:	
Birth type:	Captive born	Dam ID:	
Birth Location:	Sea Life Park Hawaii	Rearing:	Unknown
Birthdate-Age:	~ Jul 1996 - ~1Y,10M	Hybrid:	Not a hybrid
Time since last Acq:	1Y,4M,12D as of report end date		

Date in	Acquisition - Vendor/local Id	Holder	Disposition - Recipient/local Id	Date out
13 Jan 1999	Loan In from WAIMANALO-ZJ97	DALLAS WA-99R002		

Date	Identifier type	Identifier	Location	Comments	
20 May 1996	Permit	97-04C	STATE OF HAWAII	97-04C	STATE OF HAWAII
8 Jan 1999	Tag/Band	NMFS ZJ97	RT FLIPPER	NMFS ZJ97	RT FLIPPER
26 May 2000	House Name	Small Notch		Very shallow notch at rear of carapace.	

Date	Type	Value	Units	Comments
26 May 2000	live animal weight	23	pound	
26 May 2000	shell width	17.5	inch	

Date	Note type	Comments
1 Oct 1999	Sex Modification Log	Deleted sex record on 10/1/99 3:52:57 PM. Date: 13 January 99 Sex: Unknown
26 May 2000	Sex Modification Log	The following sex record was modified on 5/26/00 3:59:10 PM. Old Date: 13 January 99 Old Sex: Unknown New Date: 13 January 99 New Sex: Male New Note: Length of tail and vent to plastron distance is suggestive of a male Sea Turtle.
26 May 2000	M	Caught-up for preshipment exam: 1) Venipuncture for CBC/CHEM; 2) Cloacal and oropharyngeal swab; 3) weigh-in; 4) Carpace measuremen

Date	Enclosure	Reason
13 Jan 1999	BAHAMAS	new arrival
1 Jul 1999	CSHELF	

Date	Sex	Comments
13 Jan 1999	Male	Length of tail and vent to plastron distance is suggestive of a male Sea Turtle.

Date	Rearing	Comments
13 Jan 1999	Unknown	

8 June 2001 wt: 60 lbs
23 inches

22 May 2002 wt: 104.8 pounds
straight shell lgth 29"
Venipuncture for CBC/CHEM
Moved to perquin pool.

A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785956		DWA	99R002	05/27/2000

Species	Breed	Sex	Pet Age	Reported
T		M	1 Year	06/02/2000 10:15
		Case #: 99R002		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	ORAL		
PRELIMINARY #1	05/27/2000		
MODERATE GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	05/28/2000		
MODERATE GROWTH OF AEROMONAS HYDROPHILIA			
FINAL REPORT	05/31/2000		
ORGANISM			
*** ORGANISM 1 ***			
MODERATE GROWTH OF AEROMONAS HYDROPHILA			
*** ORGANISM 2 ***			
LIGHT GROWTH OF GROUP D ENTEROCOCCUS			
CULTURE,ANAEROBIC			
SOURCE	ORAL		
PRELIMINARY #1	05/30/2000		
NO ANAEROBES ISOLATED IN 2 DAYS.			
FINAL REPORT	06/02/2000		
ORGANISM			
NO ANAEROBES ISOLATED IN 5 DAYS.			
CULTURE,FUNGAL	PENDING		

SENSITIVITY EXOTICS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM:	1	2	3	4	5
301. AMIKACIN	S	R			
311. CEFOTAXIME	S	S			
315. CEPHALEXIN	R	S			
317. CHLORAMPHENICOL	S	S			
375. CIPROFLOXACIN	S	S			
323. DOXYCYCLINE	R	R			
ENROFLOXACIN	S	S			

REPORT CONTINUED ON NEXT FORM

CONTINUED REPORT

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(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No. Doctor	Client	Pet Name	Received
IRAB09785956	DWA	99R002	05/27/2000
Species Breed	Sex	Pet Age	Reported
TORTOISE	M	1 Year	06/02/2000 10:15
	Case #: 99R002		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
SENSITIVITY EXOTICS	(S-SENSITIVE I-INTERMEDIATE R-RESISTANT)		

ORGANISM:	1	2	3	4	5
331. GENTAMYCIN	S	R			
ORBIFLOXACIN	S	R			
341. PENICILLIN	R	S			
343. PIPERACILLIN	S	S			
349. TMP / SULFA	R	R			

COMPREHENSIVE REPTILIAN PROFILE			
REPTILE CBC			
WBC ESTIMATE	15.0 (H)	3-8	1000/uL
RBC MORPHOLOGY			
10. RBC MORPHOLOGY	NORMAL		
BLOOD PARASITES	NONE SEEN	NONE SEEN	
HETEROPHILS	7 (L)	40-60	%
HETEROPHIL ABSOLUTE	1050 (L)	1800-6100	
BANDS	0		%
ABSOLUTES	0		
LYMPHOCYTES	89 (H)	40-60	%
ABSOLUTES	13350 (H)	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	1	0-1	%
ABSOLUTES	150	0-3000	
AZUROPHILIC MONOCYTES	3	0-4	%
ABSOLUTE	450		
TOXIC CHANGES	NONE SEEN	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	
HEMATOCRIT (B/E)			
HCT	18 (L)	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1678 (H)	10-80	IU/L
THE TEST WAS RECHECKED			

CONTINUED NEXT PAGE PARTIAL 06/02/2000 10:15 ACN# IRAB09785956

CONTINUED REPORT

A N T E C H Diagnostics
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(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785956		DWA	99R002	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		M	1 Year	06/02/2000 10:15
		Case #: 99R002		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
TOTAL PROTEIN	4.3	3.3-5.5	G/DL
ALBUMIN	1.8		g/dL
BUN	128		MG/DL
THE TEST WAS RECHECKED			
PHOSPHORUS	9.9 (H)	5.0-8.0	MG/DL
CALCIUM	6.1 (L)	8.0-13.0	MG/DL
THE TEST WAS RECHECKED			
GLUCOSE	90	40-120	MG/DL
SODIUM	151 (H)	130-150	MEQ/L
POTASSIUM	4.4	2.0-5.5	MEQ/L
CHLORIDE	113	90-120	MEQ/L
CPK	767		IU/L
URIC ACID	0.9 (L)	2.0-7.0	mg/dL
GLOBULIN	2.5		G/DL

Report Notes:

PARTIAL REPORT - FINAL TO FOLLOW

A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09705956		DWA	99R002	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		M	1 Year	06/16/2000 09:37
		Case #: 99R002		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS

CULTURE

SOURCE ORAL
PRELIMINARY #1 05/27/2000
MODERATE GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED
PRELIMINARY #2 05/28/2000
MODERATE GROWTH OF AEROMONAS HYDROPHILIA
FINAL REPORT 05/31/2000
ORGANISM

*** ORGANISM 1 ***
MODERATE GROWTH OF AEROMONAS HYDROPHILA

*** ORGANISM 2 ***
LIGHT GROWTH OF GROUP D ENTEROCOCCUS

CULTURE,ANAEROBIC

SOURCE ORAL
PRELIMINARY #1 05/30/2000
NO ANAEROBES ISOLATED IN 2 DAYS.
FINAL REPORT 06/02/2000
ORGANISM
NO ANAEROBES ISOLATED IN 5 DAYS.

CULTURE,FUNGAL

SOURCE ORAL
WEEK 1-PRELIMI 05/27/2000
FUNGAL CULTURE IN PROGRESS. FIRST PRELIMINARY RESULT TO FOLLOW IN 1 WEEK.
WEEK 2-PRELIMI 06/06/2000
NO GROWTH OF FUNGUS IN 2 WEEKS
WEEK 3-PRELIMI 06/13/2000
NO GROWTH OF FUNGUS IN 3 WEEKS

SENSITIVITY EXOTICS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM: 1 2 3 4 5

REPORT CONTINUED ON NEXT FORM

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(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-8846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785956		DWA	99R002	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		M	1 Year	06/16/2000 09:37
		Case #: 99R002		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
SENSITIVITY EXOTICS	(S-SENSITIVE I-INTERMEDIATE R-RESISTANT)		
ORGANISM:	1 2 3 4 5		
301. AMIKACIN	S R		
311. CEFOTAXIME	S S		
315. CEPHALEXIN	R S		
317. CHLORAMPHENICOL	S S		
375. CIPROFLOXACIN	S S		
323. DOXYCYCLINE	R R		
ENROFLOXACIN	S S		
331. GENTAMYCIN	S R		
ORBIFLOXACIN	S R		
341. PENICILLIN	R S		
343. PIPERACILLIN	S S		
349. IMP / SULFA	R R		
COMPREHENSIVE REPTILIAN PROFILE			
REPTILE CBC			
WBC ESTIMATE	15.0 (H)	3-8	1000/uL
RBC MORPHOLOGY			
10. RBC MORPHOLOGY	NORMAL		
BLOOD PARASITES	NONE SEEN	NONE SEEN	
HETEROPHILS	7 (L)	40-60	%
HETEROPHIL ABSOLUTE	1050 (L)	1800-6100	
BANDS	0		%
ABSOLUTES	0		
LYMPHOCYTES	89 (H)	40-60	%
ABSOLUTES	13350 (H)	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	1	0-1	%
ABSOLUTES	150	0-3000	
AZUROPHILIC MONOCYTES	3	0-4	%
ABSOLUTE	450		

CONTINUED NEXT PAGE

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IBAB09785965		DWA	99R002	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		M	1 Year	06/16/2000 09:37

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	CLOACA		
PRELIMINARY #1	05/27/2000		
MODERATE GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	05/28/2000		
MODERATE GROWTH OF AEROMONAS HYDROPHILIA			
FINAL REPORT	05/30/2000		
ORGANISM			
*** ORGANISM 1 ***			
ABUNDANT GROWTH OF AEROMONAS HYDROPHILIA			
*** ORGANISM 2 ***			
MODERATE GROWTH OF ESCHERICHIA COLI			
NEGATIVE FOR SALMONELLA AND SHIGELLA			
CULTURE,ANAEROBIC			
SOURCE	CLOACA		
PRELIMINARY #1	05/30/2000		
NO ANAEROBES ISOLATED IN 2 DAYS.			
FINAL REPORT	06/02/2000		
ORGANISM			
NO ANAEROBES ISOLATED IN 5 DAYS.			
CULTURE,FUNGAL			
SOURCE	NONE		
WEEK 1-PRELIMI	05/27/2000		
FUNGAL CULTURE IN PROGRESS, FIRST PRELIMINARY RESULT TO FOLLOW IN 1 WEEK.			
WEEK 2-PRELIMI	06/06/2000		
NO GROWTH OF FUNGUS IN 2 WEEKS			
WEEK 3-PRELIMI	06/13/2000		
NO GROWTH OF FUNGUS IN 3 WEEKS			

REPORT CONTINUED ON NEXT FORM

CONTINUED REPORT

A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785956		DWA	99R002	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		M	1 Year	06/16/2000 09:37
		Case #: 99R002		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
TOXIC CHANGES	NONE SEEN	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	
HEMATOCRIT (B/E)			
HCT	18 (L)	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1678 (H)	10-80	IU/L
THE TEST WAS RECHECKED			
TOTAL PROTEIN	4.3	3.3-5.5	G/DL
ALBUMIN	1.8		g/dL
BUN	128		MG/DL
THE TEST WAS RECHECKED			
PHOSPHORUS	9.9 (H)	5.0-8.0	MG/DL
CALCIUM	6.1 (L)	8.0-13.0	MG/DL
THE TEST WAS RECHECKED			
GLUCOSE	90	40-120	MG/DL
SODIUM	151 (H)	130-150	MEQ/L
POTASSIUM	4.4	2.0-5.5	MEQ/L
CHLORIDE	113	90-120	MEQ/L
CPK	767		IU/L
URIC ACID	0.9 (L)	2.0-7.0	mg/dL
GLOBULIN	2.5		G/DL

Report Notes:

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DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		M	2 Years	06/14/2001 10:15

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
LIGHT GROWTH OF GRAM POSITIVE ORGANISMS TO BE IDENTIFIED			
CULTURE,ANAEROBIC			
SOURCE	NONE		
PRELIMINARY #1	06/14/2001		
NO ANAEROBES ISOLATED IN 2 DAYS.			
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	84 (H)	10-80	IU/L
TOTAL PROTEIN	2.6 (L)	3.3-5.5	G/DL
ALBUMIN	2.0		g/dL
BUN	40		MG/DL
PHOSPHORUS	5.2	5.0-8.0	MG/DL
CALCIUM	20.6 (H)	8.0-13.0	MG/DL
GLUCOSE	298 (H)	40-120	MG/DL
SODIUM	140	130-150	MEQ/L
POTASSIUM	3.6	2.0-5.5	MEQ/L
CHLORIDE	96	90-120	MEQ/L
CPK	468		IU/L
URIC ACID	4.2	2.0-7.0	mg/dL
GLOBULIN	0.6		G/DL
THE CHEMISTRY RESULTS WERE CALCULATED FROM A TIMES TWO DILUTION WHICH MAY FALSELY DECREASE THE CALCIUM.			

Report Notes:

PARTIAL REPORT - FINAL TO FOLLOW

A N T E C H Diagnostics
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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	Breed	Sex	Pet Age	Reported
T		M	2 Years	06/14/2001 16:33

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
LIGHT GROWTH OF GRAM POSITIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	06/14/2001		
*** ORGANISM 1 ***			
LIGHT GROWTH OF GROUP D ENTEROCOCCUS			
*** ORGANISM 2 ***			
LIGHT GROWTH OF COAGULASE NEGATIVE STAPH			
CULTURE.ANAEROBIC			
SOURCE	NONE		
PRELIMINARY #1	06/14/2001		
NO ANAEROBES ISOLATED IN 2 DAYS.			
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	84 (H)	10-80	IU/L
TOTAL PROTEIN	2.6 (L)	3.3-5.5	G/DL
ALBUMIN	2.0		g/dL
BUN	40		MG/DL
PHOSPHORUS	5.2	5.0-8.0	MG/DL
CALCIUM	20.6 (H)	8.0-13.0	MG/DL
GLUCOSE	298 (H)	40-120	MG/DL
SODIUM	140	130-150	MEQ/L
POTASSIUM	3.6	2.0-5.5	MEQ/L
CHLORIDE	96	90-120	MEQ/L
CPK	468		IU/L
URIC ACID	4.2	2.0-7.0	mg/dL
GLOBULIN	0.6		G/DL

THE CHEMISTRY RESULTS WERE CALCULATED FROM A TIMES TWO DILUTION WHICH MAY FALSELY DECREASE THE CALCIUM.

Report Notes:

CONTINUED REPORT

A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
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1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		M	2 Years	06/14/2001 16:33

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
***** ***** *****	***** *****	*****	

Please note: Effective Monday, June 18th, the reporting format will have some minor changes. Our goal is to reduce the amount of paper thus getting the results faxed to you more quickly.

PARTIAL REPORT - FINAL TO FOLLOW

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Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		M	2 Years	06/15/2001 15:05

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
LIGHT GROWTH OF GRAM POSITIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	06/14/2001		
*** ORGANISM 1 ***			
LIGHT GROWTH OF GROUP D ENTEROCOCCUS			
*** ORGANISM 2 ***			
LIGHT GROWTH OF COAGULASE NEGATIVE STAPH			
FINAL REPORT	06/15/2001		
ORGANISM			
*** ORGANISM 1 ***			
LIGHT GROWTH OF GROUP D ENTEROCOCCUS			
*** ORGANISM 2 ***			
LIGHT GROWTH OF COAGULASE NEGATIVE STAPH			
*** ORGANISM 3 ***			
FEW COLONIES OF PSEUDOMONAS SPECIES			
CULTURE,ANAEROBIC	PENDING		

SENSITIVITY EXOTICS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM:	1	2	3	4	5
301. AMIKACIN	R	S	S		
311. CEFOTAXIME	S	S	S		
315. CEPHALEXIN	S	S	R		
317. CHLORAMPHENICOL	S	S	S		
375. CIPROFLOXACIN	S	S	S		
323. DOXYCYCLINE	S	S	S		
ENROFLOXACIN	S	S	S		

REPORT CONTINUED ON NEXT FORM

CONTINUED REPORT

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Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		M	2 Years	06/15/2001 15:05

TEST PROCEDURE SENSITIVITY EXOTICS	RESULTS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)					ADULT REFERENCE RANGE	UNITS
ORGANISM:	1	2	3	4	5		
331. GENTAMYCIN	S	S	S				
ORBIFLOXACIN	S	S	S				
341. PENICILLIN	S	R	R				
343. PIPERACILLIN	S	S	S				
349. TMP / SULFA	R	S	S				

COMP. REPTILIAN CHEMISTRIES

SGOT (AST)	84 (H)	10-80	IU/L
TOTAL PROTEIN	2.6 (L)	3.3-5.5	G/DL
ALBUMIN	2.0		g/dL
BUN	40		MG/DL
PHOSPHORUS	5.2	5.0-8.0	MG/DL
CALCIUM	20.6 (H)	8.0-13.0	MG/DL
GLUCOSE	298 (H)	40-120	MG/DL
SODIUM	140	130-150	MEQ/L
POTASSIUM	3.6	2.0-5.5	MEQ/L
CHLORIDE	96	90-120	MEQ/L
CPK	468		IU/L
URIC ACID	4.2	2.0-7.0	mg/dL
GLOBULIN	0.6		G/DL

THE CHEMISTRY RESULTS WERE CALCULATED FROM A TIMES TWO DILUTION WHICH MAY FALSELY DECREASE THE CALCIUM.

Report Notes:

***** ***** ***** ***** ***** *****
Please note: Effective Monday, June 18th, the reporting format will have some minor changes. Our goal is to reduce the amount of paper thus getting the results faxed to you more quickly.

PARTIAL REPORT - FINAL TO FOLLOW

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Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	Breed	Sex	Pet Age	Reported
T		M	2 Years	06/13/2001 10:15

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE	PENDING		
CULTURE,ANAEROBIC	PENDING		
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	84 (H)	10-80	IU/L
TOTAL PROTEIN	2.6 (L)	3.3-5.5	G/DL
ALBUMIN	2.0		g/dL
BUN	40		MG/DL
PHOSPHORUS	5.2	5.0-8.0	MG/DL
CALCIUM	20.6 (H)	8.0-13.0	MG/DL
GLUCOSE	298 (H)	40-120	MG/DL
SODIUM	140	130-150	MEQ/L
POTASSIUM	3.6	2.0-5.5	MEQ/L
CHLORIDE	96	90-120	MEQ/L
CPK	468		IU/L
URIC ACID	4.2	2.0-7.0	mg/dL
GLOBULIN	0.6		G/DL

THE CHEMISTRY RESULTS WERE CALCULATED FROM A TIMES TWO DILUTION WHICH MAY FALSELY DECREASE THE CALCIUM.

Report Notes:

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Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		M	2 Years	06/13/2001 14:25

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
LIGHT GROWTH OF GRAM POSITIVE ORGANISMS TO BE IDENTIFIED			
CULTURE,ANAEROBIC	PENDING		
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	84 (H)	10-80	IU/L
TOTAL PROTEIN	2.6 (L)	3.3-5.5	G/DL
ALBUMIN	2.0		g/dL
BUN	40		MG/DL
PHOSPHORUS	5.2	5.0-8.0	MG/DL
CALCIUM	20.6 (H)	8.0-13.0	MG/DL
GLUCOSE	298 (H)	40-120	MG/DL
SODIUM	140	130-150	MEQ/L
POTASSIUM	3.6	2.0-5.5	MEQ/L
CHLORIDE	96	90-120	MEQ/L
CPK	468		IU/L
URIC ACID	4.2	2.0-7.0	mg/dL
GLOBULIN	0.6		G/DL

THE CHEMISTRY RESULTS WERE CALCULATED FROM A TIMES TWO DILUTION WHICH MAY FALSELY DECREASE THE CALCIUM.

Report Notes:

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1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001

Species	Breed	Sex	Pet Age	Reported
T		M	2 Years	06/17/2001 10:39

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
LIGHT GROWTH OF GRAM POSITIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	06/14/2001		
*** ORGANISM 1 ***			
LIGHT GROWTH OF GROUP D ENTEROCOCCUS			
*** ORGANISM 2 ***			
LIGHT GROWTH OF COAGULASE NEGATIVE STAPH			
FINAL REPORT	06/15/2001		
ORGANISM			
*** ORGANISM 1 ***			
LIGHT GROWTH OF GROUP D ENTEROCOCCUS			
*** ORGANISM 2 ***			
LIGHT GROWTH OF COAGULASE NEGATIVE STAPH			
*** ORGANISM 3 ***			
FEW COLONIES OF PSEUDOMONAS SPECIES			
CULTURE,ANAEROBIC			
SOURCE	NONE		
PRELIMINARY #1	06/14/2001		
NO ANAEROBES ISOLATED IN 2 DAYS.			
FINAL REPORT	06/17/2001		
NO ANAEROBES ISOLATED IN 5 DAYS.			

SENSITIVITY EXOTICS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM:	1	2	3	4	5
301. AMIKACIN	R	S	S		
311. CEFOTAXIME	S	S	S		

REPORT CONTINUED ON NEXT FORM

CONTINUED REPORT

A N T E C H Diagnostics
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1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236029		DWA	99R002	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		M	2 Years	06/17/2001 10:39

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
SENSITIVITY EXOTICS	(S-SENSITIVE I-INTERMEDIATE R-RESISTANT)		

ORGANISM:	1	2	3	4	5
315. CEPHALEXIN	S	S	R		
317. CHLORAMPHENICOL	S	S	S		
375. CIPROFLOXACIN	S	S	S		
323. DOXYCYCLINE	S	S	S		
ENROFLOXACIN	S	S	S		
331. GENTAMYCIN	S	S	S		
ORBIFLOXACIN	S	S	S		
341. PENICILLIN	S	R	R		
343. PIPERACILLIN	S	S	S		
349. TMP / SULFA	R	S	S		

COMP. REPTILIAN CHEMISTRIES

SGOT (AST)	84 (H)	10-80	IU/L
TOTAL PROTEIN	2.6 (L)	3.3-5.5	G/DL
ALBUMIN	2.0		g/dL
BUN	40		MG/DL
PHOSPHORUS	5.2	5.0-8.0	MG/DL
CALCIUM	20.6 (H)	8.0-13.0	MG/DL
GLUCOSE	298 (H)	40-120	MG/DL
SODIUM	140	130-150	MEQ/L
POTASSIUM	3.6	2.0-5.5	MEQ/L
CHLORIDE	96	90-120	MEQ/L
CPK	468		IU/L
URIC ACID	4.2	2.0-7.0	mg/dL
GLOBULIN	0.6		G/DL

THE CHEMISTRY RESULTS WERE CALCULATED FROM A TIMES TWO DILUTION WHICH MAY FALSELY DECREASE THE CALCIUM.

Report Notes:

***** ***** ***** ***** ***** *****
Please note: Effective Monday, June 18th, the reporting format will

Dallas World Aquarium
Clinical Report

Species: "BONNIE" ISIS#: 99R001

22 May 2002 wt: 65.5 lbs
Length - straight shell 23"
Venipuncture for CBC/CHEM
moved to Penguin pool

30 July 2002 wt: 63 lbs
Has been lethargic & unwilling to eat, venipuncture for CBC/CHEM.
Administered 150 mls LRS SQ
Placed back in pool → added NaCl + T adjusted.

31 July 2002 150 mls IC

1 Aug 2002 150 mls IC

6 Aug 2002 Radiographed → fx of head of (L) humerus, (R) humerus has healed well. continuing not to feed but not unusual finding when she has fx bac.
Rx: Dex 20 mg for inflammation / help pain.

14 Aug 2002 Looks good - still not feeding well but active.

26 Aug 2002 Pulled & placed in kiddie pool for tube feeding PM
Tolerate tube well, Fluids 0.9% NaCl (600 ml) w/ 6 mg/ml EOD

3 Sept 2002 Bled ~ some nonexpansion, initiate Ceftazidime IM SQ q 72 hs.
Stop tubefeed to see if gets hungry.

7 Sept 2002 moved into large salt water holding tank to increase movement & encourage better attitude.
Rx Ceftazidime IM, Fluids IC

10 Sept 2002 Rx: Ceftazidime IM, Fluids IC

13 Sept 2002 Rx: Ceftazidime IM, Fluids IC, passed fecal ~ loose but normal.

14 Sept 2002 Moved back to continental shelf for mental well-being.
weighed while on green cart 64 lbs - 6 lbs for cart = wt: 58 lbs
Lost 5 lbs since July ~ monitor feeding while in shelf

LABORATORY TEST STATUS:	**Ordered**	**Current Status**
Histopath: Necropsy tissues	9/26/02	Completed 9/26/02

Histopathology

Histopath: Necropsy tissues
Date completed: 09/26/02
Date report entered:09/26/02
Bonnie, Reptile

Pathologist: Varner, Tricia

Sections/Slides: 20/4
 # Tissues: 9

DESCRIPTION:
Sections of various tissue from a 4-year-old female Green Sea Turtle ("Bonnie") are examined histologically for diagnostic evaluation. Moderate post mortem autolysis is present.
SPLEEN, HEART, OVIDUCT: No significant lesions.
KIDNEY: Frequent scattered mildly dilated to occasionally cystic tubules are present along with frequent scattered intratubular mineralized foci and/or foamy proteinaceous accumulations. Multinucleated giant cells and one rare urate tophus are present in infrequent scattered tubules. The glomeruli are hypercellular and proliferative in appearance.
STOMACH: A mild interstitial lymphocytic infiltration is present within the gastric mucosa along with one rare urate tophus (?).
INTESTINE (POST MORTEM AUTOLYSIS): Low numbers of small mineralized foci are present within the muscular walls of frequent scattered serosal arteries.
LUNG: Occasional scattered mononuclear inflammatory cell accumulations and/or granulomas containing urate crystals and multinucleated giant cells are present within the pulmonary interstitium.
LIVER: Widespread marked hepatocellular vacuolization is present along with moderate vascular/sinusoidal congestion.
GONAD(?): An unidentifiable compartmentalized fibromucinous tissue lined by pleomorphic columnar epithelium contains multiple medium to large sized areas of necrosis or granulomas. Urate crystals are present in some necrotic foci. A large bacterial microcolony is surrounded by a large area of coagulative necrosis.
MUSCLE(?): A fibromuscular tissue contains multiple large scattered areas of mineralization.

HISTOPATHOLOGIC DIAGNOSIS:
KIDNEY: Severe tubular nephrosis/nephrocalcinosis with proliferative glomerulonephritis and intralesional tophi.
STOMACH: Mild diffuse granulomatous gastritis with rare urate tophus.
LUNG: Mild to moderate multifocal granulomatous interstitial pneumonitis with intralesional urate tophi.
LIVER: Hepatic lipidosis.
MUSCLE/VASCULATURE: Metastatic mineralization.
GONAD(?): Severe multifocal necrosis with urate tophi.

COMMENT:
Although some tissues were unidentifiable histologically, histologic findings are consistent for severe renal disease and highly suggestive of visceral gout.

Patricia W. Varner, DVM, PhD, AFS/FHS
/pjt

Accession#: C022640285

Texas Veterinary Medical Diagnostic Laboratory System

Final Report

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

Owner's Name:
Green Sea Turtle

Veterinarian/Submitter: **Account#: 21082**
Dallas World Aquarium
1801 North Griffin
Dallas, TX 75202

Date specimens received: 9/21/02

Preliminary reports:
Phone reports:
Final report: Email 9/26/02

Species: Reptile **Age:** 4.00 Years **Animal ID:** Bonnie
Breed: Turtle **Weight:** **Sex:** Female

Tests Requested: histopath

Specimens Submitted: fixed. /mb

Clinical History: This turtle has been housed at this facility since it was a hatchling. It was moved to an outside location approximately 3 months ago. Once she moved out to that pool she began to stop feeding as well and her activity decreased. The pool was a freshwater system initially but has her activity decreased we began to add salt to increase salinity for her comfort. Still no change. Bloodwork revealed multiple abnormalities - most of which are electrolyte changes. Fluid therapy and antibiotics were started and regular force-feeding was also initiated. Her attitude and activity level improved. She at first was passing stool with frank blood in it, but as the antibiotic treatment continued, the stools became more normal in consistency. As her activity level improved she was moved into a bigger enclosure. She still was not eating on her own but her blood work was slowly improving. She was moved to her original pool that she was housed in before she was moved to the freshwater system originally. She did well, swam, etc. for 48 hours and then was found dead on a ledge within the tank. Additional history on file at TVMDL.

Clinical Diagnosis:

Previous Cases:
Treatment:

Conclusion/Interpretation of Lab Findings:
See histopath results/comments.

ANTECH DIAGNOSTICS 2621 W. Airport Freeway Irving TX 75062 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC00278292	NA	**DWA**	BONNIE	09/05/2002

Species	Breed	Sex	Pet Age	Reported
Turtle		F	3Y	09/06/2002 01:35 AM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	19.5 **(HIGH)**	3-8	1000/uL
RBC Morphology	Normal		
Blood Parasites	Negative	None Seen	
Heterophils	56	40-60	%
Heterophil Absolute	10920 **(HIGH)**	1800-6100	
Monocytes	44 **(HIGH)**	0-1	%
Absolutes	8580 **(HIGH)**	0-190	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	22 **(LOW)**	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	296 **(HIGH)**	10-80	IU/L
Total Protein	3.7	3.3-5.5	g/dL
RESULT RECHECKED			
Albumin	1.5		g/dL
BUN	21		mg/dL
Phosphorus	10.1 **(HIGH)**	5.0-8.0	mg/dL
RESULT RECHECKED			
Calcium	9.5	8.0-13.0	mg/dL
Glucose	1134 **(HIGH)**	40-120	mg/dL
RESULT RECHECKED			
Sodium	109 **(LOW)**	130-150	mEq/L
RESULT RECHECKED			
Potassium	2.4	2.0-5.5	mEq/L
RESULT RECHECKED			
Chloride	81 **(LOW)**	90-120	mEq/L
CPK	1441		IU/L
Uric Acid	14.8 **(HIGH)**	2.0-7.0	mg/dL
Globulin	2.2		g/dL

FINAL

09/06/2002 01:35 AM

ANTECH DIAGNOSTICS 2621 W. Airport Freeway Irving TX 75062 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC00278292	NA	DWA	BONNIE	09/05/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Turtle		F	3Y	09/06/2002 01:35 AM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	19.5 (HIGH) ✓	3-8	1000/uL
RBC Morphology	Normal		
Blood Parasites	Negative	None Seen	
Heterophils	56	40-60	%
Heterophil Absolute	10920 (HIGH)	1800-6100	
Monocytes	44 (HIGH)	0-1	%
Absolutes	8580 (HIGH)	0-190	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	22 (LOW)	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	296 (HIGH)	10-80	IU/L
Total Protein	3.7	3.3-5.5	g/dL
RESULT RECHECKED			
Albumin	1.5		g/dL
BUN	21		mg/dL
Phosphorus	10.1 (HIGH)	5.0-8.0	mg/dL
RESULT RECHECKED			
Calcium	9.5	8.0-13.0	mg/dL
Glucose	1134 (HIGH)	40-120	mg/dL
RESULT RECHECKED			
Sodium	109 (LOW)	130-150	mEq/L
RESULT RECHECKED			
Potassium	2.4	2.0-5.5	mEq/L
RESULT RECHECKED			
Chloride	81 (LOW)	90-120	mEq/L
CPK	1441		IU/L
Uric Acid	14.8 (HIGH)	2.0-7.0	mg/dL
Globulin	2.2		g/dL

administer 500 ml 0.9% NaCl
Bump fluid
Get efficacy

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Dallas, TX 75202
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Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
CTIR71386281	NONE	DWA	BONNIE	08/28/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Other		F	3Y	08/28/2002 06:39 PM

Test Requested	Results	Reference Range	Units
CYTOLOGY			

Cytology

SOURCE :
Cytologic exam from feces of a green turtle. 3 slides are submitted and examined.

DESCRIPTION :
The examined slides are similar and described together. The specimen is hemorrhagic. It is composed of poorly preserved nucleated cells. The proportion of the leukocytes to the blood is not increase. Clear, desquamated epithelial cells are not present. Protozoal organisms are not seen. The bacterial population is heterogeneous.

DIAGNOSIS :
Hemorrhagic fecal specimen.

COMMENT :
The cause of this hemorrhagic diarrhea is not evident. Autopsy of the animal associated or not with histopathology may reveal the cause of this hemorrhagic diarrhea.

Yanina Costecalde, DVM, Diplomate ACVP
1-800-542-1151

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(800) 596-7390

UNIVERSITY OF Miami
SCHOOL OF MEDICINE

COMPARATIVE PATHOLOGY LABORATORY

DAILY REFERENCE REPORT 06 AUG 02 03:26PM Page 1

DALLASWORLDAQUARIUM\BONNIE Age 4, Sex FEM PRS# V2986594-217..:501
Species: REPTILE Breed: TURTLE
Spec: BLD Collected: 02 AUG 02 00:00U Received: 05 AUG 02 08:06
Requestor's S-ID:

	RESULT	UNITS
WHITE BLOOD CELL COUNT	6.2	10X3
RED BLOOD CELL COUNT	0.67	10X6
HEMATOCRIT	27	%
LYMPHOCYTES	22	%
MONOCYTES	0	%
EOSINOPHILS	0	%
BASOPHILS	0	%
HETEROPHILS	78	%

Please refer to Reference Manual for ranges

	RESULT	UNITS
THROMBOCYTE EVALUATION	ADEQUATE	
BLOOD PARASITES	NEG	
POLYCHROMASIA INDEX	1	

Comment: Erythrocytes homogenous in size, nuclear shape, and texture. Almost no polychromatophilic cells. (350)

	RESULT	UNITS
GLUCOSE	10	mG/dL
TOTAL PROTEIN	6.0	G/dL
A/G RATIO	0.63	
CALCIUM	5.7	mG/dL
PHOSPHORUS	13.5	mG/dL
URIC ACID	1.8	mG/dL
ALKALINE PHOSPHATASE	27	U/l
AST (SGOT)	1063	U/l

Comment: VALUE OBTAINED BY DILUTION

LACTIC DEHYDROGENASE	1610	U/l
CREATINE PHOSPHOKINASE	1829	U/l.
GGT (GGTP)	17	U/l.
PRE-ALBUMIN	0.84	G/dL

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COMPARATIVE PATHOLOGY LABORATORY

DAILY REFERENCE REPORT 06 AUG 02 03:26PM Page 2

DALLASWORLDAQUARIUM\BONNIE Age 4, Sex FEM PRS# V2986594-217.:501
Species: REPTILE Breed: TURTLE
Spec: BLD Collected: 02 AUG 02 00:00U Received: 05 AUG 02 08:06
Requestor's S-ID:

	RESULT	UNITS
ALBUMIN	1.48	G/dL
ALPHA 1	0.10	G/dL
ALPHA 2	1.52	G/dL
BETA	1.67	G/dL
GAMMA	0.38	G/dL

SERUM PROTEIN ELECTROPHORESIS

COMPARE TO GENERAL TURTLE RANGES, THE ALPHA 2 GLOBULINE APPEAR INCREASED. THE BETA FRACTION TENDS TO BE A PROMINENT FRACTION IN REPTILES AS SEEN HERE. BRIDGING OF THE ALPHA2, BETA, AND GAMMA FRACTIONS IS PRESENT. THIS CAN BE OBSERVED WITH ACUTE INFLAMMATION.

	RESULT	UNITS
ASPERGILLUS Ab	DEL	Titer

TITER SCALE:
NEGATIVE = < 1.4
WEAK POSITIVE = 1.4-1.6
MODERATE POSITIVE = 1.7-2.0
STRONG POSITIVE = > 2.0

	RESULT	UNITS
ASPERGILLUS SEROLOGY-RI	NEG	
ASPERGILLUS ANTIGEN	1.3	TITER

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COMPARATIVE PATHOLOGY LABORATORY

DAILY REFERENCE REPORT 05 AUG 02 02:27PM Page 1

DALLASWORLDAQUARIUM\BONNIE Age 4, Sex FEM PRS# V2986594-217.2501
Species: REPTILE Breed: TURTLE
Spec: BLD Collected: 02 AUG 02 00:00U Received: 05 AUG 02 08:06
Requestor's S-ID:

	RESULT	UNITS
WHITE BLOOD CELL COUNT	6.2	10X3
RED BLOOD CELL COUNT	0.67	10X6
HEMATOCRIT	27	%
LYMPHOCYTES	22	%
MONOCYTES	0	%
EOSINOPHILS	0	%
BASOPHILS	0	%
HETEROPHILS	78	%

Please refer to Reference Manual for ranges

	RESULT	UNITS
THROMBOCYTE EVALUATION	ADEQUATE	
BLOOD PARASITES	NEG	
POLYCHROMASIA INDEX	1	

Comment: Erythrocytes homogenous in size, nuclear shape, and texture. Almost no polychromatophilic cells. (350)

	RESULT	UNITS
GLUCOSE	10	mG/dL
TOTAL PROTEIN	6.0	G/dL
A/G RATIO	0.63	
CALCIUM	5.7	mG/dL
PHOSPHORUS	13.5	mG/dL
URIC ACID	1.8	mG/dL
ALKALINE PHOSPHATASE	27	U/L
AST (SGOT)	1063	U/L

Comment: VALUE OBTAINED BY DILUTION

LACTIC DEHYDROGENASE	1610	U/L
CREATINE PHOSPHOKINASE	1829	U/L
GGT (GGTP)	17	U/L
PRE-ALBUMIN	0.84	G/dL

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COMPARATIVE PATHOLOGY LABORATORY

DAILY REFERENCE REPORT 05 AUG 02 02:27PM Page 2

DALLASWORLDAQUARIUM\BONNIE Age 4, Sex FEM PRS# V2986594-217.0501
Species: REPTILE Breed: TURTLE
Spec: BLD Collected: 02 AUG 02 00:00U Received: 05 AUG 02 08:06
Requestor's S-ID:

	RESULT	UNITS
ALBUMIN	1.48	G/dL
ALPHA 1	0.10	G/dL
ALPHA 2	1.52	G/dL
BETA	1.67	G/dL
GAMMA	0.38	G/dL

SERUM PROTEIN ELECTROPHORESIS

COMPARE TO GENERAL TURTLE RANGES, THE ALPHA 2 GLOBULINE APPEAR INCREASED. THE BETA FRACTION TENDS TO BE A PROMINENT FRACTION IN REPTILES AS SEEN HERE. BRIDGING OF THE ALPHA2, BETA, AND GAMMA FRACTIONS IS PRESENT. THIS CAN BE OBSERVED WITH ACUTE INFLAMMATION.

	RESULT	UNITS
ASPERGILLUS Ab	DEL	Titer

TITER SCALE:
NEGATIVE = < 1.4
WEAK POSITIVE = 1.4-1.6
MODERATE POSITIVE = 1.7-2.0
STRONG POSITIVE = > 2.0

	RESULT	UNITS
ASPERGILLUS SEROLOGY-RI	Pending	
ASPERGILLUS ANTIGEN	1.3	TITER

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Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
IRAB34800916	NONE	DWA	BONNIE	07/31/2002

Species	Breed	Sex	Pet Age	Reported
Turtle	Tortoise	F	4Y	08/01/2002 01:15 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	15.0 (HIGH)	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Seen	None Seen	
Heterophils	71 (HIGH)	40-60	%
Heterophil Absolute	10650 (HIGH)	1800-6100	
Bands	0		%
Absolutes	0		
Lymphocytes	10 (LOW)	40-60	%
Absolutes	1500	120-2140	
Monocytes	2 (HIGH)	0-1	%
Absolutes	300 (HIGH)	0-190	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Basophils	0	0-1	%
Absolutes	0	0-3000	
Azurophilic Monocytes	17 (HIGH)	0-4	%
Absolute	2550		
Toxic Changes	None Seen	0-1	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	32	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1063 (HIGH)	10-80	IU/L
Total Protein	4.9	3.3-5.5	g/dL
Albumin	2.1		g/dL
BUN	14		mg/dL
Phosphorus	9.4 (HIGH)	5.0-8.0	mg/dL
Calcium	6.1 (LOW)	8.0-13.0	mg/dL
****Results have been rechecked and verified.****			
Glucose	111	40-120	mg/dL
Sodium	112 (LOW)	130-150	mEq/L
****Results have been rechecked and verified.****			
Potassium	3.6	2.0-5.5	mEq/L
Chloride	69 (LOW)	90-120	mEq/L
****Results have been rechecked and verified.****			

Accession No.	Doctor	Owner	Pet Name
IRAB34800916	NONE	DWA	BONNIE

Test Requested	Results	Reference Range	Units
CPK	2199		IU/L
Uric Acid	2.4	2.0-7.0	mg/dL
Globulin	2.8		g/dL

ASPERGILLUS ANTIBODY (AVIAN)

Avian Aspergillus (ELISA) 1.6

TEST PERFORMED AT THE UNIVERSITY OF MIAMI.

MOST BIRDS:

NEGATIVE <0.12
LOW POSITIVE 0.12 - 0.249
MID POSITIVE 0.25 - 0.499
HIGH POSITIVE >0.5

SWANS:

NEGATIVE <0.22
LOW POSITIVE 0.22 - 0.349

A positive titer supports previous or current infection with aspergillus. A negative titer does not exclude aspergillosis. Results are best interpreted in light of clinical presentation, aspergillus antigen test, and electrophoresis.

TEST PERFORMED AT THE RAPTOR CENTER

AVIAN ZINC ASSAY (Pending)

PROTEIN ELECTROPHORESIS (ADD ON)

Total Protein	4.9	g/dL
Albumin	1.16	g/dL
PRE ALBUMIN = 0.51		
Globulin	3.23	g/dL
Alpha 1	0.21	g/dL
Alpha 2	0.87	g/dL
Beta 1	1.16	g/dL
Gamma 1	1.00	g/dL

Comment

Albumin appears decreased.
ANTECH does not have an established normal range for this species.
Reviewed by:
Michael P. James, BVSc, PhD, MRCVS

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(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		F	2 Years	06/17/2001 10:39

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
COMMENT:			
Many smudge cells seen which may affect the WBC and differential.			
HEMATOCRIT (B/E)			
HCT	22 (L)	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	748 (H)	10-80	IU/L
TOTAL PROTEIN	4.6	3.3-5.5	G/DL
ALBUMIN	1.6		g/dL
BUN	133		MG/DL
PHOSPHORUS	15.7 (H)	5.0-8.0	MG/DL
****Results have been rechecked and verified.****			
CALCIUM	7.0 (L)	8.0-13.0	MG/DL
GLUCOSE	130 (H)	40-120	MG/DL
SODIUM	147	130-150	MEQ/L
POTASSIUM	4.0	2.0-5.5	MEQ/L
CHLORIDE	106	90-120	MEQ/L
CPK	303		IU/L
URIC ACID	1.8 (L)	2.0-7.0	mg/dL
GLOBULIN	3.0		G/DL

Report Notes:

***** ***** ***** ***** ***** *****
Please note: Effective Monday, June 18th, the reporting format will have some minor changes. Our goal is to reduce the amount of paper thus getting the results faxed to you more quickly.

PARTIAL REPORT - FINAL TO FOLLOW

ANTECH DIAGNOSTICS 17672-A Cowan Avenue Irvine CA 92614 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
IRAB34802062	NONE	**DWA**	BONNIE	07/31/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Other		F		07/31/2002 12:05 PM

Test Requested	Results	Reference Range	Units
CYTOLOGY			

Cytology

SOURCE: Skin cytology from an adult Green Sea Turtle. The history is that this sea turtle was moved from a saltwater exhibit to a fresh water one. No plaques are appearing on the eyelids and flippers. These slides are from the skin scrapings.

DESCRIPTION:
The slides contain epithelial cell debris, as well as some anucleated keratinized superficial epithelial cells. There are large numbers of bacterial cocci and bacterial rods scattered throughout. There is no increase in heterophils. An occasional filamentous and segmented fungal hyphae was seen.

INTERPRETATION: MARKED MIXED CELL BACTERIAL PROLIFERATION WITH FUNGI.

COMMENTS:
This is a marked bacterial proliferation, however, I cannot call this suppurative inflammation since heterophils were not seen. There are hyphae present and this is consistent with a fungal infection. Recommend both bacterial cultures, as well as fungal cultures from this skin of the turtle for identification of organisms.

REVIEWED BY:
Lon J. Rich, DVM, PhD, Diplomate ACVP
1-800-745-4725
jmm

ANTECH DIAGNOSTICS 17672-A Cowan Avenue Irvine CA 92614 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
IRAB34800916	NONE	DWA	BONNIE	07/31/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Turtle	Tortoise	F	4Y	08/01/2002 02:41 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	15.0 (HIGH)	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Seen	None Seen	
Heterophils	71 (HIGH)	40-60	%
Heterophil Absolute	10650 (HIGH)	1800-6100	
Bands	0		%
Absolutes	0		
Lymphocytes	10 (LOW)	40-60	%
Absolutes	1500	120-2140	
Monocytes	2 (HIGH)	0-1	%
Absolutes	300 (HIGH)	0-190	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Basophils	0	0-1	%
Absolutes	0	0-3000	
Azurophilic Monocytes	17 (HIGH)	0-4	%
Absolute	2550		
Toxic Changes	None Seen	0-1	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	32	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1063 (HIGH)	10-80	IU/L
Total Protein	4.9	3.3-5.5	g/dL
Albumin	2.1		g/dL
BUN	14		mg/dL
Phosphorus	9.4 (HIGH)	5.0-8.0	mg/dL
Calcium	6.1 (LOW)	8.0-13.0	mg/dL
****Results have been rechecked and verified.****			
Glucose	111	40-120	mg/dL
Sodium	112 (LOW)	130-150	mEq/L
****Results have been rechecked and verified.****			
Potassium	3.6	2.0-5.5	mEq/L
Chloride	69 (LOW)	90-120	mEq/L
****Results have been rechecked and verified.****			

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Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
IRAB33729988	NONE	**DWA**	DONNIECLYDE	06/26/2002

Species	Breed	Sex	Pet Age	Reported
Turtle	Tortoise			06/26/2002 11:53 AM

Test Requested	Results	Reference Range	Units
OVA & PARASITES			
Ova & Parasites			
NO OVA OR PARASITES OBSERVED ON DIRECT SMEARS AND FLOTATION METHOD.			

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(800) 745-4725

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Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	2 Years	06/14/2001 10:15

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
ABUNDANT GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
CULTURE,ANAEROBIC			
SOURCE	NONE		
PRELIMINARY #1	06/14/2001		
NO ANAEROBES ISOLATED IN 2 DAYS.			
COMPREHENSIVE REPTILIAN PROFILE			
REPTILE CBC			
WBC ESTIMATE	5.0	3-8	1000/uL
RBC MORPHOLOGY			
ANISOCYTOSIS +1			
POLYCHROMASIA		0-1	
POLYCHROMASIA +1			
HETEROPHILS	82 (H)	40-60	%
HETEROPHIL ABSOLUTE	4100	1800-6100	
LYMPHOCYTES	3 (L)	40-60	%
ABSOLUTES	150	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	0	0-1	%
ABSOLUTES	0	0-3000	
AZUROPHILIC MONOCYTES	15 (H)	0-4	%
ABSOLUTE	750		
TOXIC CHANGES	NS	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	
COMMENT:			
Many smudge cells seen which may affect the WBC and differential.			
HEMATOCRIT (B/E)			
HCT	22 (L)	23-35	%

CONTINUED NEXT PAGE PARTIAL 06/14/2001 10:15 ACN# IRAB22236216

CONTINUED REPORT

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Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	2 Years	06/13/2001 10:15

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE	PENDING		
CULTURE,ANAEROBIC	PENDING		
COMPREHENSIVE REPTILIAN PROFILE			
REPTILE CBC			
WBC ESTIMATE	5.0	3-8	1000/uL
RBC MORPHOLOGY			
ANISOCYTOSIS +1			
POLYCHROMASIA		0-1	
POLYCHROMASIA +1			
HETEROPHILS	82 (H)	40-60	%
HETEROPHIL ABSOLUTE	4100	1800-6100	
LYMPHOCYTES	3 (L)	40-60	%
ABSOLUTES	150	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	0	0-1	%
ABSOLUTES	0	0-3000	
AZUROPHILIC MONOCYTES	15 (H)	0-4	%
ABSOLUTE	750		
TOXIC CHANGES	NS	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	
COMMENT:			
Many smudge cells seen which may affect the WBC and differential.			
HEMATOCRIT (B/E)			
HCT	22 (L)	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	748 (H)	10-80	IU/L
TOTAL PROTEIN	4.6	3.3-5.5	G/DL
ALBUMIN	1.6		g/dL
BUN	133		MG/DL
PHOSPHORUS	15.7 (H)	5.0-8.0	MG/DL

CONTINUED NEXT PAGE PARTIAL 06/13/2001 10:15 ACN# IRAB22236216

CONTINUED REPORT

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DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		F	2 Years	06/13/2001 10:15

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
****Results have been rechecked and verified.****			
CALCIUM	7.0 (L)	8.0-13.0	MG/DL
GLUCOSE	130 (H)	40-120	MG/DL
SODIUM	147	130-150	MEQ/L
POTASSIUM	4.0	2.0-5.5	MEQ/L
CHLORIDE	106	90-120	MEQ/L
CPK	303		IU/L
URIC ACID	1.8 (L)	2.0-7.0	mg/dL
GLOBULIN	3.0		G/DL

Report Notes:

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A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001

Species	Breed	Sex	Pet Age	Reported
T		F	2 Years	06/14/2001 17:11

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
ABUNDANT GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	06/14/2001		
ABUNDANT GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
CULTURE,ANAEROBIC			
SOURCE	NONE		
PRELIMINARY #1	06/14/2001		
NO ANAEROBES ISOLATED IN 2 DAYS.			
COMPREHENSIVE REPTILIAN PROFILE			
REPTILE CBC			
WBC ESTIMATE	5.0	3-8	1000/uL
RBC MORPHOLOGY			
ANISOCYTOSIS +1			
POLYCHROMASIA		0-1	
POLYCHROMASIA +1			
HETEROPHILS	82 (H)	40-60	%
HETEROPHIL ABSOLUTE	4100	1800-6100	
LYMPHOCYTES	3 (L)	40-60	%
ABSOLUTES	150	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	0	0-1	%
ABSOLUTES	0	0-3000	
AZUROPHILIC MONOCYTES	15 (H)	0-4	%
ABSOLUTE	750		
TOXIC CHANGES	NS	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	

COMMENT:
Many smudge cells seen which may affect the WBC and differential.

HEMATOCRIT (B/E)

CONTINUED NEXT PAGE PARTIAL 06/14/2001 17:11 ACN# IRAB22236216

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A N T E C H Diagnostics
72-A Cowan, Suite 200, Irvine, CA 92614
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Page: 2

Antech ID #: 11791

ID #: 11791

Client	Pet Name	Received
DWA	99R001	06/13/2001
Sex	Pet Age	Reported
F	2 Years	06/14/2001 10:15

Received 06/13/2001

Reported 06/14/2001 17:11

	RESULTS	ADULT REFERENCE RANGE	UNITS	UNITS
EMISTRIES				
	748 (H)	10-80	IU/L	%
	4.6	3.3-5.5	G/DL	
	1.6		g/dL	
	133		MG/DL	IU/L
	15.7 (H)	5.0-8.0	MG/DL	G/DL
ve been rechecked and verified.****				g/dL
	7.0 (L)	8.0-13.0	MG/DL	MG/DL
	130 (H)	40-120	MG/DL	MG/DL
	147	130-150	MEQ/L	
	4.0	2.0-5.5	MEQ/L	MG/DL
	106	90-120	MEQ/L	MG/DL
	303		IU/L	MEQ/L
	1.8 (L)	2.0-7.0	mg/dL	MEQ/L
	3.0		G/DL	MEQ/L
				IU/L
				mg/dL
				G/DL

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A N T E C H Diagnostics
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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	2 Years	06/13/2001 16:11

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
ABUNDANT GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
CULTURE,ANAEROBIC	PENDING		
COMPREHENSIVE REPTILIAN PROFILE			
REPTILE CBC			
WBC ESTIMATE	5.0	3-8	1000/uL
RBC MORPHOLOGY			
ANISOCYTOSIS +1			
POLYCHROMASIA		0-1	
POLYCHROMASIA +1			
HETEROPHILS	82 (H)	40-60	%
HETEROPHIL ABSOLUTE	4100	1800-6100	
LYMPHOCYTES	3 (L)	40-60	%
ABSOLUTES	150	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	0	0-1	%
ABSOLUTES	0	0-3000	
AZUROPHILIC MONOCYTES	15 (H)	0-4	%
ABSOLUTE	750		
TOXIC CHANGES	NS	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	
COMMENT:			
Many smudge cells seen which may affect the WBC and differential.			
HEMATOCRIT (B/E)			
HCT	22 (L)	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	748 (H)	10-80	IU/L
TOTAL PROTEIN	4.6	3.3-5.5	G/DL
ALBUMIN	1.6		g/dL

CONTINUED NEXT PAGE

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A N T E C H Diagnostics
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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		F	2 Years	06/13/2001 16:11

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
BUN	133		MG/DL
PHOSPHORUS	15.7 (H)	5.0-8.0	MG/DL
****Results have been rechecked and verified.****			
CALCIUM	7.0 (L)	8.0-13.0	MG/DL
GLUCOSE	130 (H)	40-120	MG/DL
SODIUM	147	130-150	MEQ/L
POTASSIUM	4.0	2.0-5.5	MEQ/L
CHLORIDE	106	90-120	MEQ/L
CPK	303		IU/L
URIC ACID	1.8 (L)	2.0-7.0	mg/dL
GLOBULIN	3.0		G/DL

Report Notes:

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17672-A Cowan, Suite 200, Irvine, CA 92614
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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	2 Years	06/17/2001 10:39

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	NONE		
PRELIMINARY #1	06/13/2001		
ABUNDANT GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	06/14/2001		
ABUNDANT GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
CULTURE,ANAEROBIC			
SOURCE	NONE		
PRELIMINARY #1	06/14/2001		
NO ANAEROBES ISOLATED IN 2 DAYS.			
FINAL REPORT	06/17/2001		
NO ANAEROBES ISOLATED IN 5 DAYS.			
COMPREHENSIVE REPTILIAN PROFILE			
REPTILE CBC			
WBC ESTIMATE	5.0	3-8	1000/uL
RBC MORPHOLOGY			
ANISOCYTOSIS +1			
POLYCHROMASIA		0-1	
POLYCHROMASIA +1			
HETEROPHILS	82 (H)	40-60	%
HETEROPHIL ABSOLUTE	4100	1000-6100	
LYMPHOCYTES	3 (L)	40-60	%
ABSOLUTES	150	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	0	0-1	%
ABSOLUTES	0	0-3000	
AZUROPHILIC MONOCYTES	15 (H)	0-4	%
ABSOLUTE	750		
TOXIC CHANGES	NS	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	

CONTINUED NEXT PAGE

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A N I E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614 (800) 745-4725

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001

Species	Breed	Sex	Pet Age	Reported
TORTOISE		F	2 Years 14:25	06/19/2001

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
ABSOLUTES	150	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	0	0-1	%
ABSOLUTES	0	0-90	
BASOPHILS	0	0-1	%
ABSOLUTES	0	0-3000	
AZUROPHILIC MONOCYTES	15 (H)	0-4	%
ABSOLUTE	750		
TOXIC CHANGES	NS	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	

COMMENT:
Many smudge cells seen which may affect the WBC and differential.

HEMATOCRIT (B/E)			
HCT	22 (L)	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	748 (H)	10-80	IU/L
TOTAL PROTEIN	4.6	3.3-5.5	G/DL
ALBUMIN	1.6		g/dL
BUN	133		MG/DL
PHOSPHORUS	15.7 (H)	5.0-8.0	MG/DL
****Results have been rechecked and verified.****			
CALCIUM	7.0 (L)	8.0-13.0	MG/DL
GLUCOSE	130 (H)	40-120	MG/DL
SODIUM	147	130-150	MEQ/L
POTASSIUM	4.0	2.0-5.5	MEQ/L
CHLORIDE	106	90-120	MEQ/L
CPK	303		IU/L
URIC ACID	1.8 (L)	2.0-7.0	mg/dL
GLOBULIN	3.0		G/DL

Report Notes:

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A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB22236216		DWA	99R001	06/13/2001
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	2 Years	06/19/2001 14:25

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE	PENDING		

CULTURE,ANAEROBIC
SOURCE NONE
PRELIMINARY #1 06/14/2001
NO ANAEROBES ISOLATED IN 2 DAYS.
FINAL REPORT 06/17/2001
NO ANAEROBES ISOLATED IN 5 DAYS.

SENSITIVITY (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM:	1	2	3	4	5
301. AMIKACIN	S	S	S	R	
315. CEPHALEXIN	R	R	S	R	
317. CHLORAMPHENICOL	S	R	S	R	
ENROFLOXACIN	S	S	S	S	
331. GENTAMYCIN	S	S	S	S	
341. PENICILLIN	R	R	S	S	
349. TMP / SULFA	S	S	S	R	

CEFOTAXIME-SSSR
CIPROFLOXACIN-SSSS
DOXYCYCLINE-RRSR
ORBIFLOXACIN-SSSS
PIPERACILLIN-SSSS

COMPREHENSIVE REPTILIAN PROFILE
REPTILE CBC

WBC ESTIMATE	5.0	3-8	1000/uL
RBC MORPHOLOGY			
ANISOCYTOSIS +1			
POLYCHROMASIA		0-1	
POLYCHROMASIA +1			
HETEROPHILS	82 (H)	40-60	%
HETEROPHIL ABSOLUTE	4100	1800-6100	
LYMPHOCYTES	3 (L)	40-60	%

CONTINUED NEXT PAGE PARTIAL 06/19/2001 14:25 ACN# IRAB22236216

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A N T E C H Diagnostics
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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785974		DWA	99R001	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	1 Year	06/02/2000 10:15
		Case #: 99R001		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	ORAL		
PRELIMINARY #1	05/27/2000		
MODERATE GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	05/28/2000		
MODERATE GROWTH OF AEROMONAS HYDROPHILIA			
FINAL REPORT	05/30/2000		
ORGANISM			
*** ORGANISM 1 ***			
MODERATE GROWTH OF AEROMONAS HYDROPHILIA			
*** ORGANISM 3 ***			
LIGHT GROWTH OF ESCHERICHIA COLI			
NEGATIVE FOR SALMONELLA AND SHIGELLA			
CULTURE,ANAEROBIC			
SOURCE	CLOACA		
PRELIMINARY #1	05/30/2000		
NO ANAEROBES ISOLATED IN 2 DAYS.			
FINAL REPORT	06/02/2000		
ORGANISM			
NO ANAEROBES ISOLATED IN 5 DAYS.			
CULTURE,FUNGAL			
SOURCE	CLOACA		
WEEK 1-PRELIMI	05/27/2000		
FUNGAL CULTURE IN PROGRESS, FIRST PRELIMINARY RESULT TO FOLLOW IN 1 WEEK.			

SENSITIVITY EXOTICS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM:	1	2	3	4	5
301. AMIKACIN	S	S			

REPORT CONTINUED ON NEXT FORM

CONTINUED REPORT

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No. Doctor	Client	Pet Name	Received
IRAB09785974	DWA	99R001	05/27/2000
Species Breed	Sex	Pet Age	Reported
TORTOISE	F	1 Year	06/02/2000 10:15
	Case #: 99R001		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
SENSITIVITY EXOTICS	(S-SENSITIVE I-INTERMEDIATE R-RESISTANT)		

ORGANISM:	1	2	3	4	5
311. CEFOTAXIME	S	R			
315. CEPHALEXIN	R	R			
317. CHLORAMPHENICOL	S	R			
375. CIPROFLOXACIN	S	S			
323. DOXYCYCLINE	R	R			
ENROFLOXACIN	S	S			
331. GENTAMYCIN	S	R			
ORBIFLOXACIN	S	S			
341. PENICILLIN	R	R			
343. PIPERACILLIN	S	R			
349. TMP / SULFA	S	R			

COMPREHENSIVE REPTILIAN PROFILE
REPTILE CBC

WBC ESTIMATE	12.0 (H)	3-8	1000/uL
RBC MORPHOLOGY			
10. RBC MORPHOLOGY	NORMAL		
BLOOD PARASITES	NONE SEEN	NONE SEEN	
HETEROPHILS	9 (L)	40-60	%
HETEROPHIL ABSOLUTE	1080 (L)	1800-6100	
BANDS	0		%
ABSOLUTES	0		
LYMPHOCYTES	84 (H)	40-60	%
ABSOLUTES	10080 (H)	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	2 (H)	0-1	%
ABSOLUTES	240 (H)	0-90	
BASOPHILS	1	0-1	%
ABSOLUTES	120	0-3000	
AZUROPHILIC MONOCYTES	4	0-4	%
ABSOLUTE	480		
TOXIC CHANGES	NONE SEEN	0-1	

CONTINUED NEXT PAGE

CONTINUED REPORT

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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785974		DWA	99R001	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		F	1 Year	06/02/2000
		Case #: 99R001		10:15

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	
HEMATOCRIT (B/E)			
HCT	27	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	774 (H)	10-80	IU/L
THE TEST WAS RECHECKED			
TOTAL PROTEIN	5.4	3.3-5.5	G/DL
ALBUMIN	1.9		g/dL
BUN	155		MG/DL
THE TEST WAS RECHECKED			
PHOSPHORUS	14.9 (H)	5.0-8.0	MG/DL
THE TEST WAS RECHECKED			
CALCIUM	6.9 (L)	8.0-13.0	MG/DL
THE TEST WAS RECHECKED			
GLUCOSE	89	40-120	MG/DL
SODIUM	148	130-150	MEQ/L
POTASSIUM	5.7 (H)	2.0-5.5	MEQ/L
CHLORIDE	113	90-120	MEQ/L
CPK	299		IU/L
URIC ACID	1.3 (L)	2.0-7.0	mg/dL
GLOBULIN	3.5		G/DL

Report Notes:

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06/02/2000 10:17 4262885 6/6

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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785974		DWA	99R001	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	1 Year	06/08/2000 16:11
		Case #: 99R001		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	ORAL		
PRELIMINARY #1	05/27/2000		
MODERATE GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
PRELIMINARY #2	05/28/2000		
MODERATE GROWTH OF AEROMONAS HYDROPHILIA			
FINAL REPORT	05/30/2000		
ORGANISM			
*** ORGANISM 1 ***			
MODERATE GROWTH OF AEROMONAS HYDROPHILIA			
*** ORGANISM 3 ***			
LIGHT GROWTH OF ESCHERICHIA COLI			
NEGATIVE FOR SALMONELLA AND SHIGELLA			
CULTURE,ANAEROBIC			
SOURCE	CLOACA		
PRELIMINARY #1	05/30/2000		
NO ANAEROBES ISOLATED IN 2 DAYS.			
FINAL REPORT	06/02/2000		
ORGANISM			
NO ANAEROBES ISOLATED IN 5 DAYS.			
CULTURE,FUNGAL			
SOURCE	CLOACA		
WEEK 1-PRELIMI	05/27/2000		
FUNGAL CULTURE IN PROGRESS, FIRST PRELIMINARY RESULT TO FOLLOW IN 1 WEEK.			
WEEK 2-PRELIMI	06/06/2000		
NO GROWTH OF FUNGUS IN 2 WEEKS			

SENSITIVITY EXOTICS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM:	1	2	3	4	5

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DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785974		DWA	99R001	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		F	1 Year	06/08/2000 16:11
		Case #: 99R001		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
SENSITIVITY EXOTICS	(S-SENSITIVE I-INTERMEDIATE R-RESISTANT)		

ORGANISM:	1	2	3	4	5
301. AMIKACIN	S	S			
311. CEFOTAXIME	S	R			
315. CEPHALEXIN	R	R			
317. CHLORAMPHENICOL	S	R			
375. CIPROFLOXACIN	S	S			
323. DOXYCYCLINE	R	R			
ENROFLOXACIN	S	S			
331. GENTAMYCIN	S	R			
ORBIFLOXACIN	S	S			
341. PENICILLIN	R	R			
343. PIPERACILLIN	S	R			
349. TMP / SULFA	S	R			

COMPREHENSIVE REPTILIAN PROFILE

REPTILE CBC

WBC ESTIMATE	12.0 (H)	3-8	1000/uL
RBC MORPHOLOGY			
10. RBC MORPHOLOGY	NORMAL		
BLOOD PARASITES	NONE SEEN	NONE SEEN	
HETEROPHILS	9 (L)	40-60	%
HETEROPHIL ABSOLUTE	1080 (L)	1800-6100	
BANDS	0		%
ABSOLUTES	0		
LYMPHOCYTES	84 (H)	40-60	%
ABSOLUTES	10080 (H)	120-2140	
MONOCYTES	0	0-1	%
ABSOLUTES	0	0-190	
EOSINOPHILS	2 (H)	0-1	%
ABSOLUTES	240 (H)	0-90	
BASOPHILS	1	0-1	%
ABSOLUTES	120	0-3000	
AZUROPHILIC MONOCYTES	4	0-4	%
ABSOLUTE	480		

CONTINUED NEXT PAGE

CONTINUED REPORT

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1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785974		DWA	99R001	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		F	1 Year	06/08/2000 16:11
		Case #: 99R001		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
TOXIC CHANGES	NONE SEEN	0-1	
THROMBOCYTE ESTIMATE	ADEQUATE	ADEQUATE	
HEMATOCRIT (B/E)			
HCT	27	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	774 (H)	10-80	IU/L
THE TEST WAS RECHECKED			
TOTAL PROTEIN	5.4	3.3-5.5	G/DL
ALBUMIN	1.9		g/dL
BUN	155		MG/DL
THE TEST WAS RECHECKED			
PHOSPHORUS	14.9 (H)	5.0-8.0	MG/DL
THE TEST WAS RECHECKED			
CALCIUM	6.9 (L)	8.0-13.0	MG/DL
THE TEST WAS RECHECKED			
GLUCOSE	89	40-120	MG/DL
SODIUM	148	130-150	MEQ/L
POTASSIUM	5.7 (H)	2.0-5.5	MEQ/L
CHLORIDE	113	90-120	MEQ/L
CPK	299		IU/L
URIC ACID	1.3 (L)	2.0-7.0	mg/dL
GLOBULIN	3.5		G/DL

Report Notes:

PARTIAL REPORT - FINAL TO FOLLOW

A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785983		DWA	99R001	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
T		F	1 Year	06/08/2000 16:11
		Case #: 99R001		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
CULTURE			
SOURCE	CLOACAL		
PRELIMINARY #1	05/27/2000		
MODERATE GROWTH OF GRAM NEGATIVE ORGANISMS TO BE IDENTIFIED			
FINAL REPORT	05/28/2000		
ORGANISM			
MODERATE GROWTH OF AEROMONAS HYDROPHILIA			
CULTURE,ANAEROBIC			
SOURCE	ORAL		
PRELIMINARY #1	05/30/2000		
NO ANAEROBES ISOLATED IN 2 DAYS.			
FINAL REPORT	06/02/2000		
ORGANISM			
NO ANAEROBES ISOLATED IN 5 DAYS.			
CULTURE,FUNGAL			
SOURCE	NONE		
WEEK 1-PRELIMI	05/27/2000		
FUNGAL CULTURE IN PROGRESS, FIRST PRELIMINARY RESULT TO FOLLOW IN 1 WEEK.			
WEEK 2-PRELIMI	06/06/2000		
NO GROWTH OF FUNGUS IN 2 WEEKS			

SENSITIVITY EXOTICS (S-SENSITIVE I-INTERMEDIATE R-RESISTANT)

ORGANISM:	1	2	3	4	5
301. AMIKACIN	S				
311. CEFOTAXIME	S				
315. CEPHALEXIN	R				
317. CHLORAMPHENICOL	S				
375. CIPROFLOXACIN	S				
323. DOXYCYCLINE	R				
ENROFLOXACIN	S				

REPORT CONTINUED ON NEXT FORM

CONTINUED REPORT

A N T E C H Diagnostics
17672-A Cowan, Suite 200, Irvine, CA 92614
(800) 745-4725

DALLAS WORLD AQUARIUM
1801 N. GRIFFIN
DALLAS, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Antech ID #: 11791

Reference No.	Doctor	Client	Pet Name	Received
IRAB09785983		DWA	99R001	05/27/2000
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
TORTOISE		F	1 Year	06/08/2000 16:11
		Case #: 99R001		

TEST PROCEDURE	RESULTS	ADULT REFERENCE RANGE	UNITS
SENSITIVITY EXOTICS	(S-SENSITIVE I-INTERMEDIATE R-RESISTANT)		

ORGANISM:	1	2	3	4	5
331. GENTAMYCIN	S				
ORBIFLOXACIN	S				
341. PENICILLIN	R				
343. PIPERACILLIN	S				
349. TMP / SULFA	S				

Report Notes:

PARTIAL REPORT - FINAL TO FOLLOW

ANTECH DIAGNOSTICS 17672-A Cowan Avenue Irvine CA 92614 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
IRAB34800916	NONE	DWA	BONNIE	07/31/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Turtle	Tortoise	F	4Y	07/31/2002 05:35 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	15.0 (HIGH)	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Seen	None Seen	
Heterophils	71 (HIGH)	40-60	%
Heterophil Absolute	10650 (HIGH)	1800-6100	
Bands	0		%
Absolutes	0		
Lymphocytes	10 (LOW)	40-60	%
Absolutes	1500	120-2140	
Monocytes	2 (HIGH)	0-1	%
Absolutes	300 (HIGH)	0-190	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Basophils	0	0-1	%
Absolutes	0	0-3000	
Azurophilic Monocytes	17 (HIGH)	0-4	%
Absolute	2550		
Toxic Changes	None Seen	0-1	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	32	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1063 (HIGH)	10-80	IU/L
Total Protein	4.9	3.3-5.5	g/dL
Albumin	2.1		g/dL
BUN	14		mg/dL
Phosphorus	9.4 (HIGH)	5.0-8.0	mg/dL
Calcium	6.1 (LOW)	8.0-13.0	mg/dL
****Results have been rechecked and verified.****			
Glucose	111	40-120	mg/dL
Sodium	112 (LOW)	130-150	mEq/L
****Results have been rechecked and verified.****			
Potassium	3.6	2.0-5.5	mEq/L
Chloride	69 (LOW)	90-120	mEq/L
****Results have been rechecked and verified.****			

Accession No.	Doctor	Owner	Pet Name
IRAB34800916	NONE	DWA	BONNIE

Test Requested	Results	Reference Range	Units
CPK	2199		IU/L
Uric Acid	2.4	2.0-7.0	mg/dL
Globulin	2.8		g/dL
ASPERGILLUS ANTIBODY (AVIAN) (Pending)			
AVIAN ZINC ASSAY (Pending)			
PROTEIN ELECTROPHORESIS (ADD ON)			
Total Protein	4.9		g/dL
Albumin	1.16		g/dL
PRE ALBUMIN = 0.51			
Globulin	3.23		g/dL
Alpha 1	0.21		g/dL
Alpha 2	0.87		g/dL
Beta 1	1.16		g/dL
Gamma 1	1.00		g/dL

Comment

Albumin appears decreased.
ANTECH does not have an established normal range for this species.
Reviewed by:
Michael P. James, BVSc, PhD, MRCVS

ANTECH DIAGNOSTICS 17672-A Cowan Avenue Irvine CA 92614 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
IRAB34800916	NONE	DWA	BONNIE	07/31/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Turtle	Tortoise	F	4Y	07/31/2002 05:35 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	15.0 (HIGH)	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Seen	None Seen	
Heterophils	71 (HIGH)	40-60	%
Heterophil Absolute	10650 (HIGH)	1800-6100	
Bands	0		%
Absolutes	0		
Lymphocytes	10 (LOW)	40-60	%
Absolutes	1500	120-2140	
Monocytes	2 (HIGH)	0-1	%
Absolutes	300 (HIGH)	0-190	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Basophils	0	0-1	%
Absolutes	0	0-3000	
Azurophilic Monocytes	17 (HIGH)	0-4	%
Absolute	2550		
Toxic Changes	None Seen	0-1	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	32	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	1063 (HIGH)	10-80	IU/L
Total Protein	4.9	3.3-5.5	g/dL
Albumin	2.1		g/dL
BUN	14		mg/dL
Phosphorus	9.4 (HIGH)	5.0-8.0	mg/dL
Calcium	6.1 (LOW)	8.0-13.0	mg/dL
****Results have been rechecked and verified.****			
Glucose	111	40-120	mg/dL
Sodium	112 (LOW)	130-150	mEq/L
****Results have been rechecked and verified.****			
Potassium	3.6	2.0-5.5	mEq/L
Chloride	69 (LOW)	90-120	mEq/L
****Results have been rechecked and verified.****			

Accession No.	Doctor	Owner	Pet Name
IRAB34800916	NONE	DWA	BONNIE

Test Requested	Results	Reference Range	Units
CPK	2199		IU/L
Uric Acid	2.4	2.0-7.0	mg/dL
Globulin	2.8		g/dL
ASPERGILLUS ANTIBODY (AVIAN) (Pending)			
AVIAN ZINC ASSAY (Pending)			
PROTEIN ELECTROPHORESIS (ADD ON)			
Total Protein	4.9		g/dL
Albumin	1.16		g/dL
PRE ALBUMIN = 0.51			
Globulin	3.23		g/dL
Alpha 1	0.21		g/dL
Alpha 2	0.87		g/dL
Beta 1	1.16		g/dL
Gamma 1	1.00		g/dL

Comment

Albumin appears decreased.
ANTECH does not have an established normal range for this species.
Reviewed by:
Michael P. James, BVSc, PhD, MRCVS

ANTECH DIAGNOSTICS 2621 W. Airport Freeway Irving TX 75062 Phone: 800-745-4725

Dallas World Aquarium
1801 N. Griffin
Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC00039481	NA	DWA	BONNIE	05/22/2002
Species	**Breed**	**Sex**	**Pet Age**	**Reported**
Turtle			4Y	05/29/2002 01:08 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	7.5	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Obs	None Seen	
Heterophils	76 (HIGH)	40-60	%
Heterophil Absolute	5700	1800-6100	
Lymphocytes	24 (LOW)	40-60	%
Absolutes	1800	120-2140	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	24	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	3104 (HIGH)	10-80	IU/L
RECHECKED BY DILUTION.			
Total Protein	6.1 (HIGH)	3.3-5.5	g/dL
Albumin	2.2		g/dL
BUN	187 (HIGH)	3-8	mg/dL
Phosphorus	11.0 (HIGH)	5.0-8.0	mg/dL
Calcium	9.5	8.0-13.0	mg/dL
Glucose	149 (HIGH)	40-120	mg/dL
Sodium	155 (HIGH)	130-150	mEq/L
Potassium	3.8	2.0-5.5	mEq/L
Chloride	111	90-120	mEq/L
CPK	1186 (HIGH)	50-400	IU/L
Uric Acid	3.9	2.0-7.0	mg/dL
Globulin	3.9		g/dL
ASPERGILLUS ANTIBODY (AVIAN)			
Avian Aspergillus (ELISA)	1.3		

TEST PERFORMED AT THE UNIVERSITY OF MIAMI.
MOST BIRDS:

NEGATIVE	<0.12
LOW POSITIVE	0.12 - 0.249
MID POSITIVE	0.25 - 0.499
HIGH POSITIVE	>0.5

Accession No.	Doctor	Owner	Pet Name
DLBC00039481	NA	DWA	BONNIE

Test Requested	Results	Reference Range	Units
SWANS:			

NEGATIVE <0.22
LOW POSITIVE 0.22 - 0.349
A positive titer supports previous or current infection with aspergillus. A negative titer does not exclude aspergillosis. Results are best interpreted in light of clinical presentation, aspergillus antigen test, and electrophoresis.
•
TEST PERFORMED AT THE RAPTOR CENTER

MYCOPLASMA (REPTILE&TURTLE)

Mycoplasma (ELISA)

Less than 1:32 Negative
TEST PERFORMED AT UNIVERSITY OF FLORIDA

ANTECH DIAGNOSTICS 2621 W. Airport Freeway Irving TX 75062 Phone: 800-745-4725

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Dallas, TX 75202
Tel: 214-720-2224
Fax: 214-999-0846

Client # 11791
Chart #

Accession No.	Doctor	Owner	Pet Name	Received
DLBC00039481	NA	DWA	BONNIE	05/22/2002

Species	Breed	Sex	Pet Age	Reported
Turtle			4Y	05/22/2002 03:05 PM

Test Requested	Results	Reference Range	Units
REPTILE CBC			
WBC Estimate	7.5	3-8	1000/uL
RBC Morphology			
RBC MORPHOLOGY	NORMAL		
Blood Parasites	None Obs	None Seen	
Heterophils	76 (HIGH)	40-60	%
Heterophil Absolute	5700	1800-6100	
Lymphocytes	24 (LOW)	40-60	%
Absolutes	1800	120-2140	
Eosinophils	0	0-1	%
Absolutes	0	0-90	
Thrombocyte Estimate	Adequate	Adequate	
HEMATOCRIT (B/E)			
HCT	24	23-35	%
COMP. REPTILIAN CHEMISTRIES			
SGOT (AST)	3104 (HIGH)	10-80	IU/L
RECHECKED BY DILUTION.			
Total Protein	6.1 (HIGH)	3.3-5.5	g/dL
Albumin	2.2		g/dL
BUN	187 (HIGH)	3-8	mg/dL
Phosphorus	11.0 (HIGH)	5.0-8.0	mg/dL
Calcium	9.5	8.0-13.0	mg/dL
Glucose	149 (HIGH)	40-120	mg/dL
Sodium	155 (HIGH)	130-150	mEq/L
Potassium	3.8	2.0-5.5	mEq/L
Chloride	111	90-120	mEq/L
CPK	1186 (HIGH)	50-400	IU/L
Uric Acid	3.9	2.0-7.0	mg/dL
Globulin	3.9		g/dL

ASPERGILLUS ANTIBODY (AVIAN) (Pending)
MYCOPLASMA (REPTILE&TURTLE) (Pending)

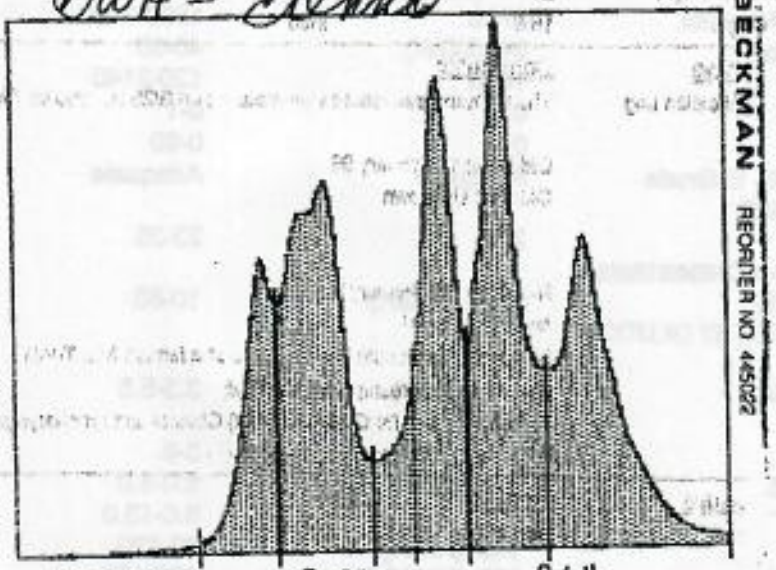
T

ANTECH DIAGNOSTICS LAB
IRVINE, CALIFORNIA

11791 Turtle

Patient: IRAB34800916
Test: SPE Gel 2 7.4 7/31/02

OWA - Bonnie



Fraction	Rel%	G/dL
1	10.4	0.51
2	23.7	1.16
3	4.2	0.21
4	17.7	0.87
5	23.6	1.16
6	20.4	1.00

Total G/dL 4.90 A/G: 0.12

Comments: Albumin appears decreased
UNKRANGE
MPJ

Report Start Date

Specimen Report for 99R001

Report End Date
5/26/00

Taxonomic name: *Chelonia mydas*
Common name: ATLANTIC GREEN TURTLE

Family: Cheloniidae
Order: Chelonia

Current information

Sex:	Female "Bonnie"	Sire ID:	
Birth type:	Captive born	Dam ID:	
Birth Location:	Sea Life Park Hawaii	Rearing:	Unknown
Birthdate-Age:	~ Jul 1998 - ~1Y,10M	Hybrid:	Not a hybrid
Time since last Acq:	1Y,4M,12D as of report end date		

Date in	Acquisition - Vendor/local Id	Holder	Disposition - Recipient/local Id	Date out
13 Jan 1999	Loan In from WAIMANALO-ZJ90	DALLAS WA-99R001		

Date	Identifier type	Identifier	Location	Comments
20 May 1996	Permit	97-04C	STATE OF HAWAII	97-04C STATE OF HAWAII
8 Jan 1999	Tag/Band	NMFS TAG ZJ90 RT FLIPPER		NMFS TAG ZJ90 RT FLIPPER
26 May 2000	House Name	Big Rear Notch		Notch in rear of carapace is deeper than 99R002.

Date	Type	Value	Units	Comments
16 Apr 1999	live animal weight	6.80	pound	6.8 pound
23 Apr 1999	live animal weight	6.90	pound	6.9 pound
26 May 2000	live animal weight	23	pound	
26 May 2000	shell length	16.5	inch	

Date	Note type	Comments
26 May 2000	Sex Modification Log	The following sex record was modified on 5/26/00 3:50:53 PM. Old Date: 13 January 99 Old Sex: Unknown New Date: 13 January 99 New Sex: Female New Note: Tail length is suggestive of a female Sea Turtle.
26 May 2000	M	Caught up for preshipment physical: 1) Venipuncture for CBC/CHEM; 2) Cloacal and oropharyngeal swabs for anaerobic/aerobic/fungal culture; 3 weigh-in and carapace measurements.

Date	Enclosure	Reason
13 Jan 1999	BAHAMAS	new arrival
1 Jul 1999	CSHELF	

Date	Sex	Comments
13 Jan 1999	Female	Tail length is suggestive of a female Sea Turtle.

Date	Rearing	Comments
13 Jan 1999	Unknown	

8 Jan 2001 wt: 40 lbs
21 inches
Venipuncture for CBC/CHEM
Oral exam revealed no lesions.
(R) forefliper has a good deal of grinding upon putting flipper through range of motion, No putting flipper through range of motion, felt "pop" as rear joint moved back into place, much smoother motion of flipper but upon release turtle's gently tent flipper.

Monitor feeding & activity level.

(R) Inflammation, mild on palpation of carpal/radial joint