

# ALIS Lab Capture Manual

## 1.0 Basic Setup

### 1.1 Install ALIS 8.1x and ALIS Lab App

First you will need to install ALIS 8.1x, and also the ALIS Lab Module (example: ALIS\_Lab109.zip). This is a Zip file and the name may change depending on the version. Unzip this compressed file onto the main drive (C or Macintosh HD) of the ALIS workstation where the lab equipment will be attached.

The folder for the ALIS\_lab Module application will be called ALIS\_Lab (normally installed this way) and should not be changed. The items in the folder must not have any name changes. If this is installed at the root of the main drive, then ALIS will automatically find it (as of 8.1.1) or you will have to locate the folder the first time. On Windows: the C drive. On Mac at the root of the Hard Disk, which must be called Macintosh HD.

Unless installed this way (automatic location), you will need to designate the folder name and only install on one workstation where the Lab equipment is attached (811+).

**Version 8.1 integrates the Lab Capture Module for ANTECH, IDEXX, HESKA, and ABAXIS.**

### 1.2 Attach your Lab Equipment

The Lab equipment will need to be attached to your computer via a serial cable. You will need to talk to your lab equipment rep about understanding how to do that. They should supply any cables or other equipment needed. There may be charges involved. Ideally all lab machines would come to the one computer, but some sort of hub may be needed.

For Macs, or some Windows computers such as laptops, you will only have a USB connection and then will need to purchase a special serial to USB cable. On Macs, some special drivers may be needed.

**The first step is to get the correct cables or accessories from the company.**

**IMPORTANT: At this time, only the tests indicated in red are supported. We how to add more machines as well as IDEXX Web downloads in the future.**

Let them know that you are looking to set up your system to ALIS-VET (PIMS). The company Tech support has a list of PIMS they know connect, so if by chance you are told that ALIS-VET doesn't yet connect just inform them it does.

### **ABAXIS USA**

Phone: 800-822-2947 (Main)

- Abaxis VetScan (VS2)
- Abaxis VetScan (HM2)

### **SCIL**

- Scil VetABC

### **ABAXIS CAD**

Vet Novations Canada Inc.

1-866-382-6937

In Canada: they sell the **Scil VetABC** instead of the ABAXIS HM2

### **HESKA**

Clients call: 1-800-GO-HESKA (3) = Tech support.

May Need HUB: **Edgeport serial to USB**: 4 serials on back, USB to computer; should come with serial cables.

>> best get Edgeport from HESKA

May need to switch print to cable? Re-transmit?

- Heska CBC-Diff
- Heska SPOTCHEM EZ

### **IDEXX**

Phone: 1800-248-2483

IDEXX support group will send you the proper cables and connectors you need after discussing your set up and then will be able to give you the next steps for setting up the systems.

**Some setups need a hub: Vetcom box at additional cost (all machines to one box with one cable to workstation):**

- IDEXX VetTest
- IDEXX VetLyte
- IDEXX LaserCyte
- IDEXX QBC VetAutoRead
- IDEXX SNAP Reader

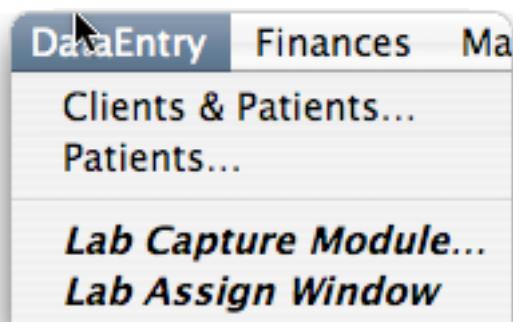
### **ANTECH/ZOASIS Lab Import**

## 2.0 Capture the Lab Tests

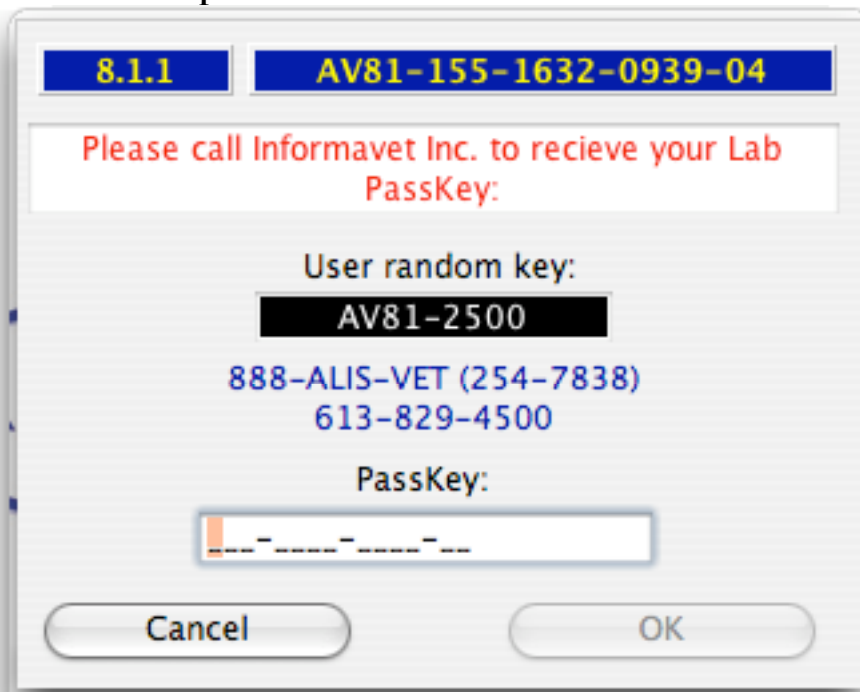
### 2.1 Run the Lab Capture Module

**NOTE:** it is very important that you identify the Client and Patient by their names when running any tests. Ask your equipment vendor how to do this if not sure.

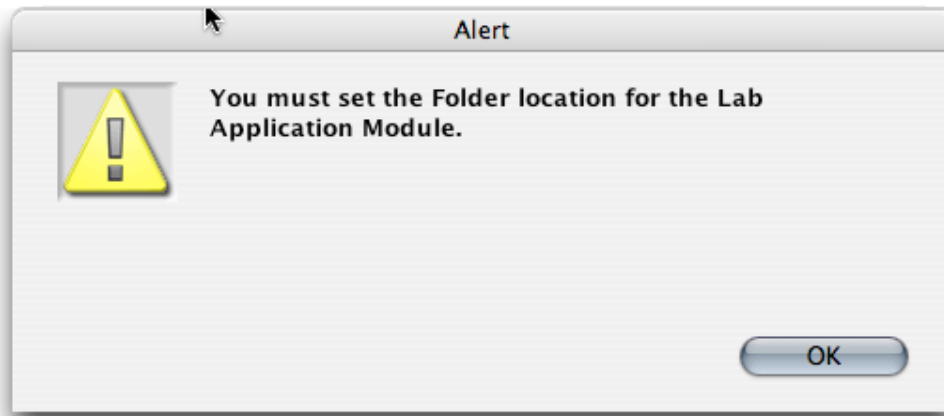
Under the Data Entry Menu: select Lab Capture Module.



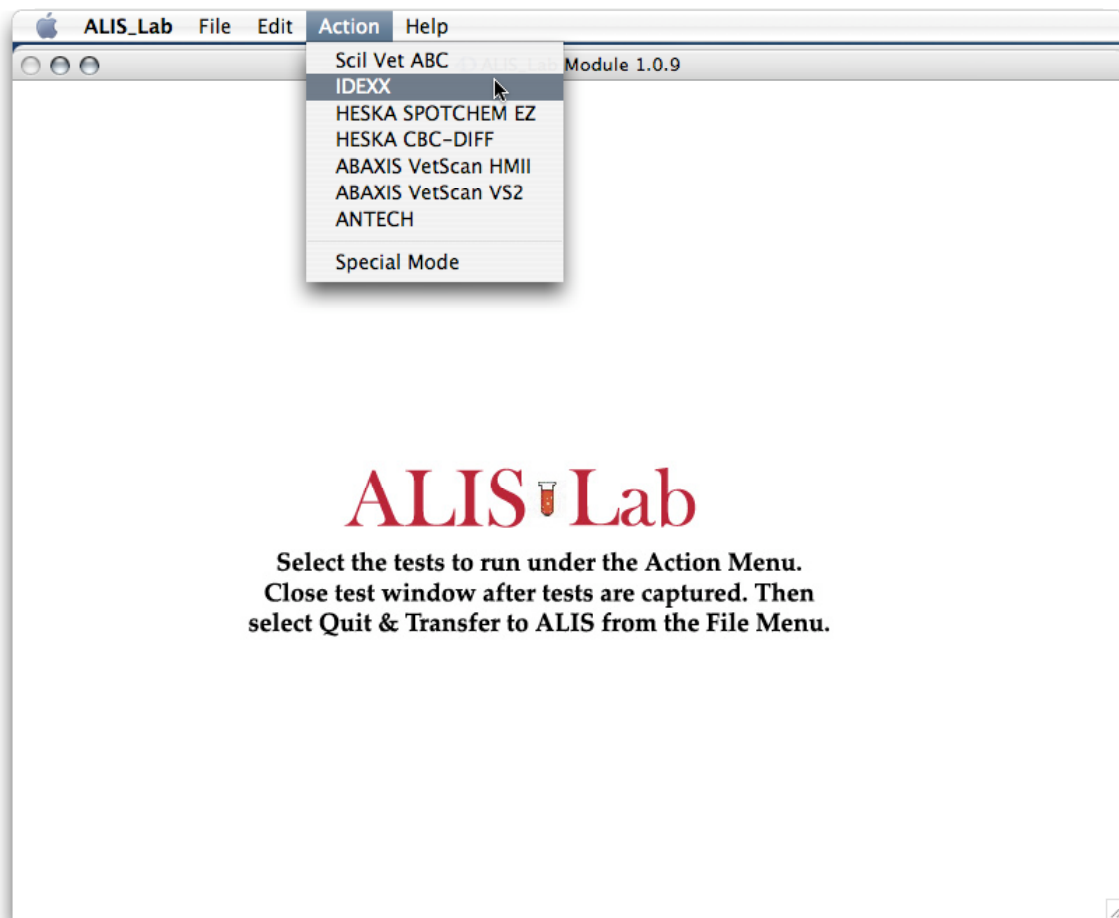
If it is the first time, you will need to call InformaVet to get your Pass Key while this window is open.



You will also need to locate the ALIS\_Lab folder unless in 811 it is set up for automatic location. Make sure that you only click Choose for the folder called ALIS\_Lab, otherwise cancel.

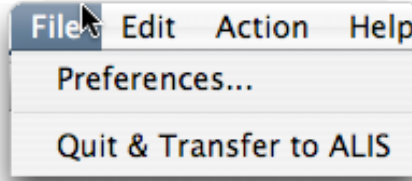


The ALIS\_Lab program should launch at this point. You must use this program to do the capture for tests from the lab equipment to ANTECH.



Now run the Tests on your Lab equipment.

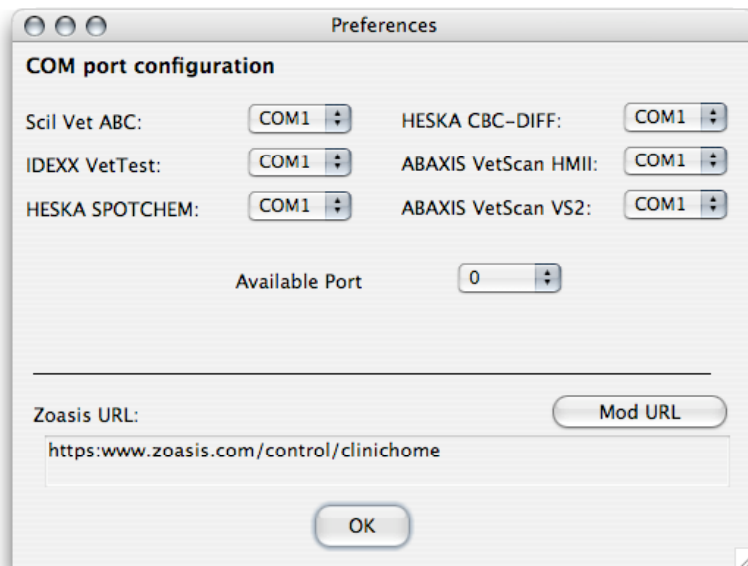
You may need to set the preferences for the ports under the File menu.



Preferences screen below from ALIS\_Lab Version 1.0.9.



Preferences screen below from ALIS\_Lab Version 2.0.

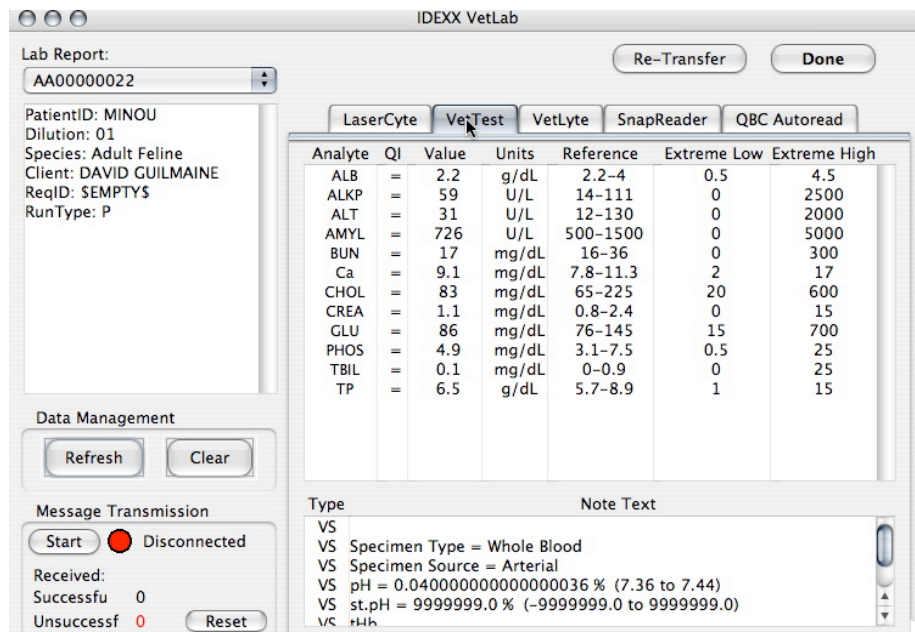


## 2.2 Capture Tests - IDEXX VetTest Example

Select the Lab Test under the Action Menu. Example is IDEXX VetTest.

**Lab Capture:** Contact your Lab equipment company to get the proper instructions for sending the test results to a computer and to get the correct cables.

**In ALIS:** Select “Lab Capture Module” under the Data Entry Menu. The ALIS\_Lab Module program will launch.



**In the ALIS\_Lab Window (see above), proceed to get the results from the machine. The example below is for IDEXX VetTest.**

Select menu “Action” IDEXX then select “Start” button on the bottom left frame. Now go over to the IDEXX equipment, make sure the computer icon is showing on the Vet Test analyzer screen (it may take 30-60 seconds for this to show up, when it does, the red light on the lab module screen on the PC should turn to green)

Run the samples through the vet test as normal. When done just follow the instructions on the vet test screen.

Back at the lab module screen on the computer click on the “refresh” button this should allow all the recently completed tests from the vet test machine to be displayed on the drop down box at the top left labeled “Lab report”

Click on the “Done” button on the top area of the screen

Now click on File menu: Quit and Transfer.

This will close the lab module and bring us back to ALIS after a few seconds

Now assign the transferred lab test to ALIS as described in printed manual.

Notes:

If the lab module was not up and running when the vet test was done, that test will be transferred over to the lab module when the next vet test is run and transferred.

Re: troubleshooting notes on running the IDEXX lab test.

- The main problem we had a few months ago when testing, was that we had the network cable from the computer plugged into port 3 on the vet com box, It needed to be plugged into port 1,
- It is good to check the vet test machine to make sure that the computer icon shows up on the display to be sure that we do have a connection.
- As per the instruction sheet from a few months ago. The vet test needs to be set up with transmission control #2 set to "disable transmission" and under data transfer choices #1QBC V or vetLab choice choose #1 for vetlab communications.
- Other than that I think everything on the vet test was as per usual. If the lab capture module had not been set up and a vet test was run. Those results would be transferred when the next vet test was run and transferred to the open lab capture module.
- I think at the end of the vet test procedure the vet test asks do you want to transmit? The answer seemed logical.

**Thanks to Dr. Gord Bose for the above notes.**

## 2.3 Capture Tests - ANTECH Zoasis Example

Another example is the ANTECH screen. Here you will first download the tests from the Zoasis web site as XML import and then click the Add Lab Button in the ALIS\_Lab Module.

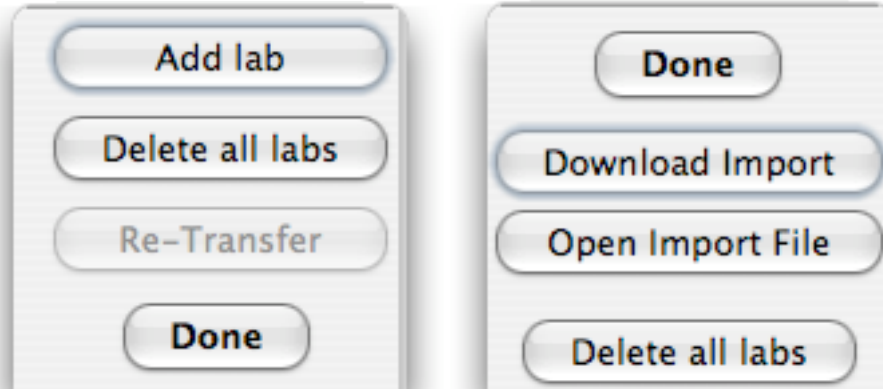
<https://www.zoasis.com/control/cliniclogout>

Example screen below is from ALIS\_Lab 1.0.9. See below for new buttons in version 2.0.

The screenshot shows a software interface for managing lab tests. It features several data entry tables and a set of control buttons. The 'Choose a Lab Report' table has three columns: LAR\_A\_Requested\_By, LAR\_D\_Requested\_On, and LAR\_H\_Requested\_On. The 'Choose an Patient' table has three columns: ACC\_A\_PetName, ACC\_A\_PetOwner, and ACC\_A\_PetBreed. The 'Choose a Test' table has three columns: UNC\_A\_Ext\_ID, UNC\_A\_Name, and UNC\_A\_Profil\_ID. The 'Results' table has two columns: TEC\_A\_Name and TEC\_A\_Value. On the right side, there are four buttons: 'Add lab', 'Delete all labs', 'Re-Transfer', and 'Done'. An 'Error' field is located at the top left of the main content area.

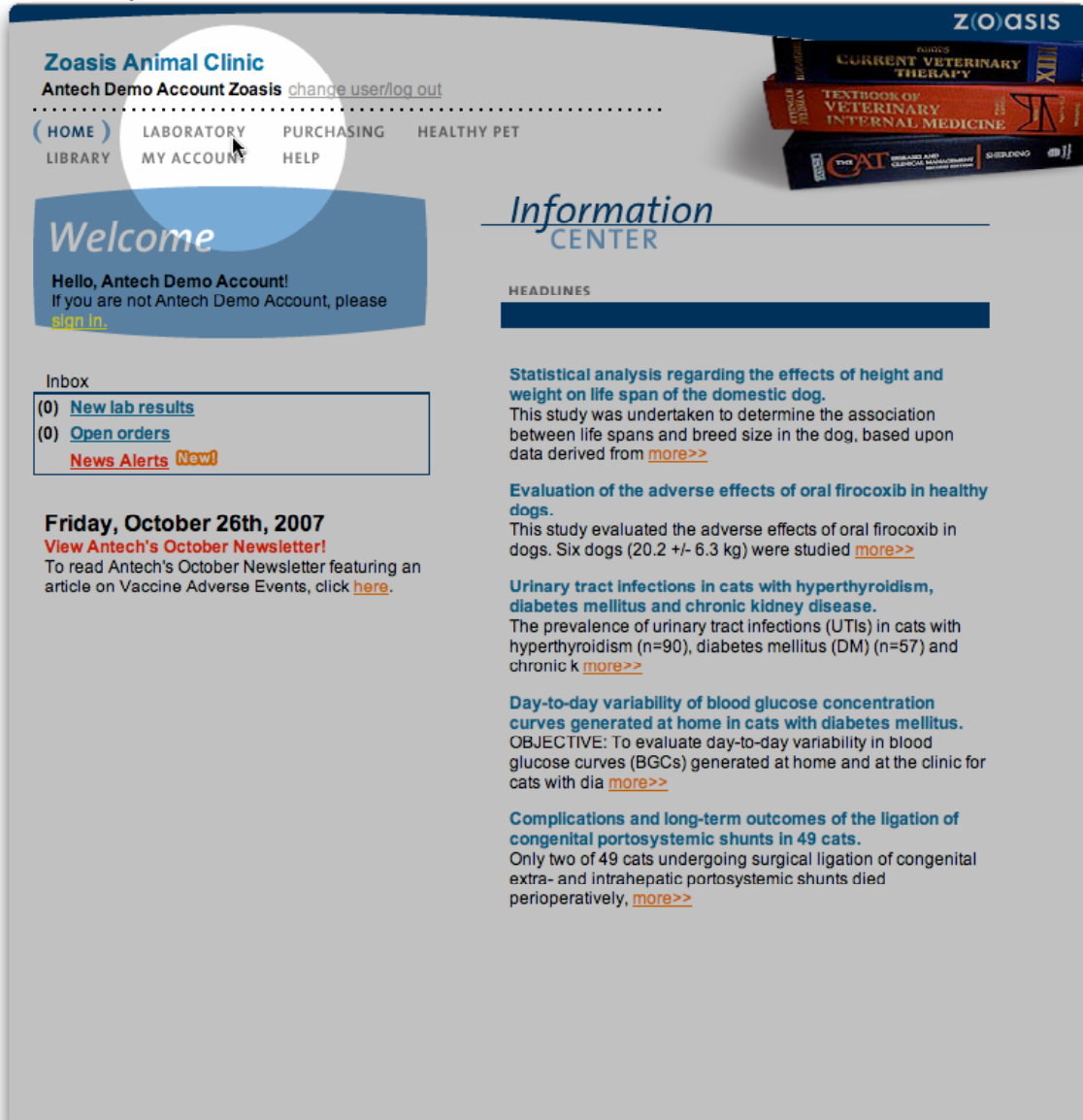


The screen Images below show the buttons from ALIS\_Lab 109 on the left and version 2.0 on the right. The new Download Import button will open the Zoasis web site. The Add Lab and new Open Import File do the same things.



You may need to contact ANTEH or Zoasis to learn about downloading the XML import file from their site. Once you download the XML import file, you will need to import that file into the ALIS\_Lab Module.

Once on the Zoasis site, enter your ID and password if needed and go to the Laboratory section.



**Zoasis Animal Clinic**  
Antech Demo Account Zoasis [change user/log out](#)

(HOME) LABORATORY PURCHASING HEALTHY PET  
LIBRARY MY ACCOUNT HELP

**Welcome**  
Hello, Antech Demo Account!  
If you are not Antech Demo Account, please [sign in](#).

Inbox  
(0) [New lab results](#)  
(0) [Open orders](#)  
[News Alerts](#) **(New)**

**Friday, October 26th, 2007**  
**View Antech's October Newsletter!**  
To read Antech's October Newsletter featuring an article on Vaccine Adverse Events, click [here](#).

**Information CENTER**

HEADLINES

**Statistical analysis regarding the effects of height and weight on life span of the domestic dog.**  
This study was undertaken to determine the association between life spans and breed size in the dog, based upon data derived from [more>>](#)

**Evaluation of the adverse effects of oral firocoxib in healthy dogs.**  
This study evaluated the adverse effects of oral firocoxib in dogs. Six dogs (20.2 +/- 6.3 kg) were studied [more>>](#)

**Urinary tract infections in cats with hyperthyroidism, diabetes mellitus and chronic kidney disease.**  
The prevalence of urinary tract infections (UTIs) in cats with hyperthyroidism (n=90), diabetes mellitus (DM) (n=57) and chronic k [more>>](#)

**Day-to-day variability of blood glucose concentration curves generated at home in cats with diabetes mellitus.**  
OBJECTIVE: To evaluate day-to-day variability in blood glucose curves (BGCs) generated at home and at the clinic for cats with dia [more>>](#)

**Complications and long-term outcomes of the ligation of congenital portosystemic shunts in 49 cats.**  
Only two of 49 cats undergoing surgical ligation of congenital extra- and intrahepatic portosystemic shunts died perioperatively, [more>>](#)

After choosing Laboratory, select the tests and choose Import from the Action Menu as shown on the following screen.

**Zoasis Animal Clinic**  
 Antech Demo Account Zoasis [change user/log out](#)

HOME (LABORATORY) PURCHASING HEALTHY PET  
 LIBRARY MY ACCOUNT HELP

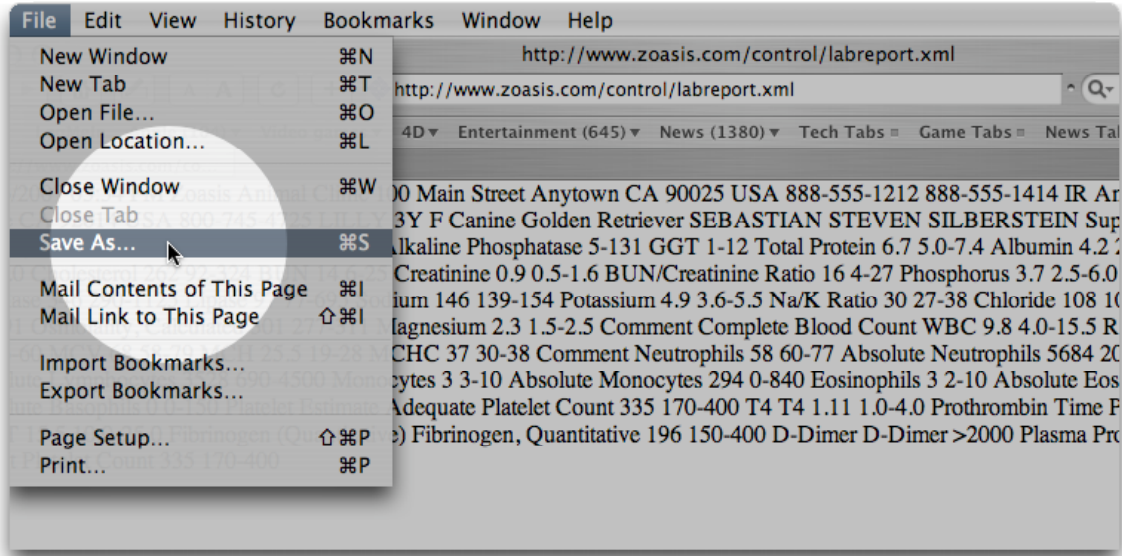
**Laboratory** (RESULTS) CONSULTATION ORDERS TEST GUIDE LAB SUPPLIES REPORTS

LAB SEARCH Patient Name   
 Date 10/25/07 to 10/27/07 GO

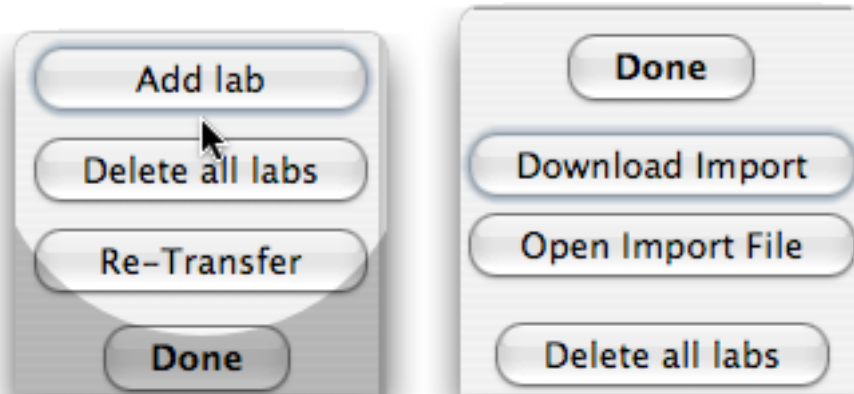
Results for 10/25/07 - 10/27/07  
 (new results in bold) Page 1 of 50 (1-10 of 494) View...

Reported	Received	Patient	Owner	Doctor	Test	
10/26/07	10/26/07	Honey	Chen Danny	Lyons	<a href="#">DEMO13626282</a> <a href="#">Complete Blood Count - Final</a> <a href="#">Chemistries (Wellness) - Final</a> <a href="#">Heartworm Special - Final</a>	<ul style="list-style-type: none"> <li>✓ Actions...</li> <li>Print</li> <li>PDF</li> <li>Save</li> <li>E-Mail</li> <li>Import</li> </ul>
10/26/07	10/26/07	Lilly	Sebastian Steven	Silberstein	<a href="#">DEMO13626283</a> <a href="#">Superchem - Final</a> <a href="#">Complete Blood Count - Final</a> <a href="#">T4 - Final</a> <a href="#">Prothrombin Time - Final</a> <a href="#">APTT - Final</a> <a href="#">Fibrinogen (Quantitative) - Final</a> <a href="#">D-Dimer - Final</a> <a href="#">Plasma Protein - Final</a> <a href="#">Platelet Count - Final</a>	<input checked="" type="checkbox"/>
10/26/07	10/26/07	Sandy	Gillette	Rosnick	<a href="#">DEMO13626284</a> <a href="#">Superchem - Final</a> <a href="#">Complete Blood Count - Final</a> <a href="#">T4 - Final</a> <a href="#">Billirubin (Direct, Indirect) - Final</a> <a href="#">Urinalysis (Add-On) - Final</a>	<input type="checkbox"/>
10/26/07	10/26/07	Pierre	Beverly Erin	Lyons	<a href="#">DEMO13626285</a> <a href="#">Superchem - Final</a> <a href="#">Complete Blood Count - Final</a> <a href="#">T4 - Final</a> <a href="#">Urinalysis (Add-On) - Final</a>	<input type="checkbox"/>
10/26/07	10/26/07	Juliet	Golden-Ross	Skope	<a href="#">DEMO13626286</a> <a href="#">Superchem - Final</a> <a href="#">Complete Blood Count - Final</a> <a href="#">Prothrombin Time - Final</a> <a href="#">APTT - Final</a> <a href="#">Fibrinogen (Quantitative) - Final</a>	<input type="checkbox"/>

Then after the XML window (with text) opens up, pull down the file menu and choose Save As...



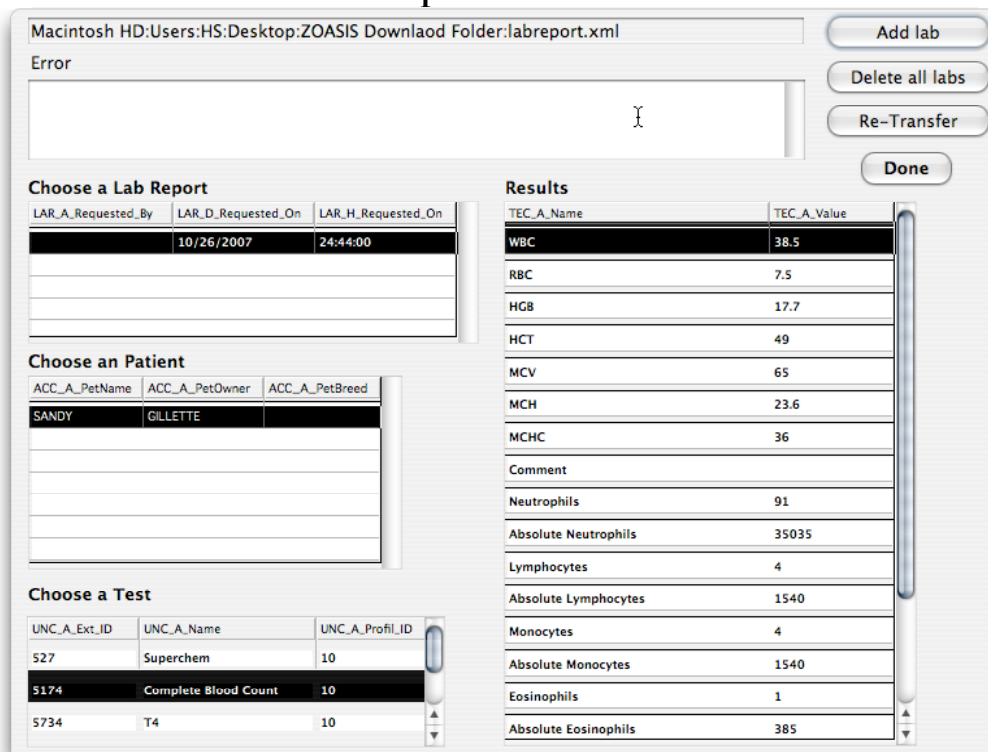
Now in the ALIS\_Lab module ANTECH window click the Add Lab button if using ALIS\_Lab Version 109 or the new Open Import File in version 2.0.



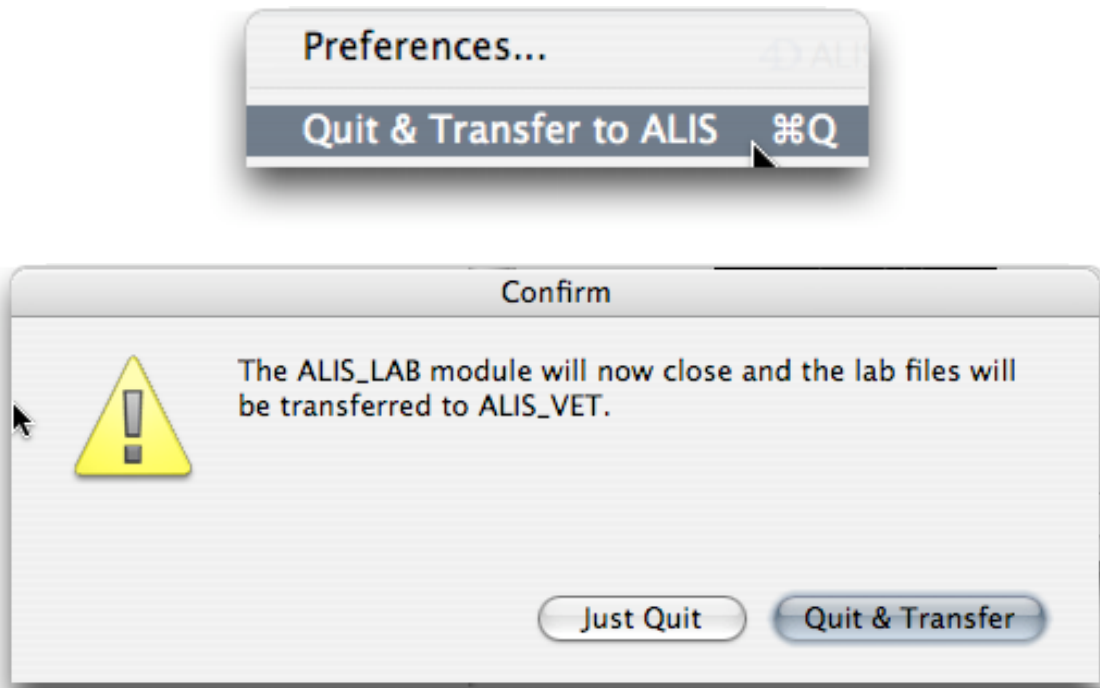
Locate the XML file where you downloaded it to your computer and select it for import.



The lab results should then be imported into the ANTECH Window.



After all tests have been captured, close the window for the test and under file choose Quit & Transfer to ALIS.



**Now you should be back in ALIS.**

## 3.0 Assign the Tests

### 3.1 From the Lab Assign Window

Choose Lab Assign Window under the Data Entry Menu.

The screenshot shows a window titled "Select Tests to Assign and click the button ->". It contains a table of test results and a summary row at the bottom.

Date	Time	Test Name	Client	Personnel
07/17/2006	11:58 AM	VetLyte	FIDO	BENOIT LEMYRE
07/17/2006	1:54 PM	T4	LILLY	SEBASTIAN STEVEN
07/17/2006	1:54 PM	Prothrombin Time	LILLY	SEBASTIAN STEVEN
07/17/2006	1:54 PM	APTT	LILLY	SEBASTIAN STEVEN
07/17/2006	1:54 PM	Fibrinogen (Quantitative)	LILLY	SEBASTIAN STEVEN
07/17/2006	1:54 PM	D-Dimer	LILLY	SEBASTIAN STEVEN
07/17/2006	1:54 PM	Plasma Protein	LILLY	SEBASTIAN STEVEN
07/17/2006	1:54 PM	Platelet Count	LILLY	SEBASTIAN STEVEN
07/17/2006	1:54 PM	Complete Blood Count	HONEY	CHEN DANNY
07/17/2006	1:54 PM	Chemistries (Wallace)	HONEY	CHEN DANNY

Source: Antech / Lab#: AA0000026  
Instrument:  
Analysis number: / Analysis run number:

Platelet Count	335	10 Exp3/mL	170-400	F				
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Select the test or tests to assign. Click to select which tests to assign, by clicking to place a marker next to the test or tests. Then click the Assign button. Assign by Client/Patient Search window or by List of Medical Records (active).

This close-up shows the "Assign" button being clicked by a mouse cursor. The "Delete" button is also visible. The table below shows the selected test row highlighted.

07/17/2006	11:58 AM	VetLyte	FIDO
07/17/2006	1:54 PM	T4	LILLY

The dialog box contains a warning icon and the following text:

Do you want to assign to an active medical record or a patient?

Buttons: Patients, Medical Records

You can also assign from an open Patient record or Open or Closed Medical Record as described below (3.2).