



VETERINARY LABORATORY MANAGEMENT SYSTEM

VERSION 1.0



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VLMS 1.0

ISLAND BUSINESS GROUP, INC.

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OVERVIEW

VLMS™ Version 10 provides a veterinary laboratory with a powerful database environment and tools to assist in the day-to-day processing, reporting and dissemination tasks of the veterinary laboratory.

VLMS™ Version 10 was designed to work with popular fax programs or servers to handle fax dissemination of reports. Reports can also be disseminated via remote printing or the internet.

VLMS™ Version 10 consists of the following modules:

Laboratory Client

Main application to maintain lab results, doctor and clinic information, test ranges, pricing, billing and other laboratory functions.

Data Capture Clients

Satellite applications designed to interface with various laboratory equipment. Any laboratory device with a standard PC style interface can connect to VLMS™ Version 1.0 with some customization.

FAX Reporting Clients

Automatic fax dissemination can be accomplished with the addition of popular fax programs or servers.

VLMS™ Version 10 was developed in Microsoft Access™ and Visual Basic™ and was designed to integrate with the Microsoft Office Suite™ for additional powerful tools such as mail merges, graphs, labels and other database functions. While **VLMS™ Version 10** is a powerful stand-alone application, the purchase of Microsoft Office 2000 (or greater) will provide additional functions and capabilities. Our unique add-on **Datamine™** database will let you perform queries and analysis on your database safely, without the chance of accidentally damaging vital data.

Security Information



The image shows a 'Logon Security' dialog box with a title bar. Inside, the text 'Security Logon' is displayed in a stylized font. Below this, it says 'Connected to Server: NEWMOE' next to a text box. Then, it prompts 'Please Enter Name and Password:'. There are two input fields: 'User ID:' and 'Password:'. At the bottom, there are two buttons: 'OK' and 'Exit'.

You can control access to the various functions within the database via our security module. By creating User ID's, Passwords and tasks for your users, you can allow users to safely navigate through the system. In the Supporting Tables mode, you first define the tasks (ie: add only, delete, modify) and the security assignments, then add in the users and assign them the tasks. VLMS1.0™ comes preinstalled with an ADMINISTRATOR, Staff and a Billing person. We recommend that you try to log in as the Staff person, so that you can see how the ADMINISTRATOR can limit the functions available to users. With this flexibility it is possible to allow some users to only view data without allowing modifications and/or deletions.

The security functions in VLMS1.0™ are fairly extensive. We recommend not changing the ADMINISTRATOR tasks so as to assure that you are never permanently locked out of the software.



The Main Menu

VETERINARY LAB MANAGEMENT SYSTEM

Anylab Veterinary Laboratory

User: tadmin

- ☒ LAB RESULTS MENU
- ☐ DISSEMINATION MENU
- ☐ ORDER ENTRY MENU
- ☐ INVOICING MENU
- ☐ REPORTS MENU
- ☐ ADMINISTRATION SERVICES MENU
- ☐ EXIT

SwitchboardID: 1

Version: 1.04 (r) 02/04/02

This form shows the options available in VLMS 1.0™. The major system functions are:

- LABRESULTSMENU– The laboratory test results processes are available from this menu.
- DISSEMINATIONMENU– The lab report dissemination processes are available from this menu.
- ORDERENTRYMENU– The order entry (accessioning) processes are available from this menu.
- INVOICINGMENU– The invoicing processes are available from this menu.
- REPORTSMENU– Reports supporting test review, analysis and management are available from this menu.
- ADMINISTRATIONSERVICESMENU– Various functions to maintain lists and procedures.
- EXIT– Exit the application.



The Lab Results Menu

LAB RESULTS

Anylab Veterinary Laboratory

User: tadmin

- ☒ LAB RESULTS
- ☐ PROPAGATE RESULTS
- ☐ PROCESS LAB MACHINE RESULTS
- ☐ UNREVIEWED IN-HOUSE ACCESSIONS REPORT
- ☐ RETURN TO MAIN MENU

SwitchboardID: 9

Version: 1.04 (r) 02/04/02

This form shows the options available in the LAB RESULTS MENU. These functions are:

- LAB RESULTS- Review/enter/disseminate lab test results.
- PROPAGATE RESULTS- Set POS/NEG results for a specific test across a range of accessions.
- PROCESS LAB MACHINE RESULTS- Set test results from captured lab machine data.
- UNREVIEWED IN-HOUSE ACCESSIONS REPORT – Reports unreviewed or undisseminated accessions.



The Lab Results Form

REQUISITIONHEADER : Form

ANYLAB VETERINARY LAB. Batch Filter: [] Next Acc# Disseminate [] Range 2 weeks Close Form

VETERINARIAN INFORMATION		PATIENT INFORMATION		ACCESSION #
Clinic: 0001	Test Clinic One	OWNER: Lams	PATIENT: Buster	Search: 1 ACC #: 0000001
Doctor: 0001	Dr. John Smith	Age: 2	Species: CAN	Sex: m
Clinic Phone: (555) 123-4567	BATCH: 0	Report Date: 3/20/2002	COLLECTION DATE: 3/20/2002	LOG-IN DATE: 20/2002 3:36:17 PM
Release Date:	Bill Type: []	REPORT STATUS: PRELIMINARY		CHARTNUM: 13546
Disseminate Date:	Not Billed			
COMMENTS:				

Do Not Hold for Review
☐ Reviewed: [Not Reviewed]
Lab Results: Show
☒ Out of Range ☐ All
Reviewed Filter: Show
☒ All ☐ Not Reviewed
Test Lines: Show
☒ 14 lines ☐ 46 lines

TEST NAME	WITHIN RANGE	OUT OF RANGE	REFERENCE	UNITS	Accpt	COMMENTS	RESULTS	Reviewed
0003 Green Test		75 L	80-120	count	<input checked="" type="checkbox"/>		75	<input type="checkbox"/>

Record: 1 of 1

BACTERIOLOGY

CULTURE TESTID [] ☒ Accepted
CULTURE NAME []
SOURCE []
STATUS []
ISOLATE 1: []
ISOLATE 2: []
ISOLATE 3: []
COLONY COUNT: []
Select Antibiotics []

ANTIMICROBIAL SUSCEPTIBILITY REPORT

AGENT 1	ISOLATE #1	AGENT 2	ISOLATE #2	AGENT 3	ISOLATE #3	Accepted
	INTERP		INTERP			

Record: 1 of 1

This form shows the accession lab results. Test results can be reviewed, entered/updated and comments added. Bacteria and fungal culture/sensitivity results are entered in the Bacteriology section. The report can be printed or fully disseminated by all applicable methods.

The Lab Results functions include:

- Batch Filter - Choose to see only accessions from a specific dissemination batch.
- Next Acc# - This command button brings up the next sequential accession #. The accessions are ordered by clinic priority order first, not accession #. Using the next record navigation control will not bring up the next sequential accession #.
- Dissemination - This command button launches the Doctor's Reports dialog, preset to disseminate only the current accession's report.
- Print (printer icon) - This command button prints the current accession report to either a preprinted lab report form (without lines) or to plain paper (with lines).



- **Range** – By default only the last 2 weeks of accessions are loaded. If the accession you want to see is older, all the current accessions or the archive records can be loaded by choosing a selection from the Range dropdown.
- **Search** – The accession number search entry box searches the database for the entered accession. Leading zeros do not need to be entered.
- **Do Not Hold for Review** – Checking this box will allow the report to be batch disseminated without requiring the accession to be reviewed.
- **Review** – Individual tests or the entire accession can be selected as reviewed. Reviewed accessions that have not yet been disseminated (no disseminate date) and do not have a report status of 'HOLD' will be included in the next batch dissemination process.
- **Lab Results: Show** – Choose to see only out of range results or all results.
- **Reviewed Filter: Show** – Choose to see only unreviewed accessions and test lines or all accessions and test lines.
- **Test Lines: Show** – Choose to change the size of the test results form section to display 14 or 46 test line items.
- **Select Antibiotics** – If 'ISOLATE' information is entered, then this command button brings up an antibiotic selection form. This form will display a list of available antibiotics, which can be selected for sensitivity results. If sensitivity results are already entered, this form displays the previously chosen antibiotics. Antibiotic selections can be added or removed in this manner.



Results Propagation Form

The screenshot shows a window titled "Results Propagation" with a sub-header "Results Propagation Control". It contains four input fields: "Starting Accession #:" (a dropdown menu), "Ending Accession #:" (a dropdown menu), "Test:" (a dropdown menu followed by a text input field), and "Result:" (a dropdown menu with "NEG" selected). To the right of these fields are two buttons: "Propagate Result" and "Close".

Set POS/NEG results for a specific test across a range of accessions. Select the accession range, the test and the result you want to propagate. Only tests with NEG/POS result types are available. Clicking the Propagate Results command button will set the results for each matching test within the selected accession range to the result you chose.

Process Laboratory Machine Data Form

The screenshot shows a window titled "Process Laboratory Machine data" with a sub-header "Process Laboratory Machine data". It features a section for "Unprocessed Records:" with three rows, each containing a checked checkbox, a machine name, and a numeric value in a text box:

Machine	Unprocessed Records
<input checked="" type="checkbox"/> MACHINE1	5
<input checked="" type="checkbox"/> MACHINE2	2
<input checked="" type="checkbox"/> MACHINE3	0

Below this section are four buttons: "Process Data", "Close", "Clear Out Unprocessed Records" (in red text), and "Hide Details". At the bottom is a table with the following data:

	Sample ID	Test Code	Test Results	Error	Sample Volume	Operation Flag
▶	00306333	9	2.2	1	A	
	00306333	17	343	1	A	
	00306333	26	242	1	A	
	00306333	28	552	1	A	
	00306333	29	182	1	A	

The Process Laboratory Machine data form sets accession test results using data captured from the lab machines. If there are existing results for a test the results will not be updated during this process. Clicking on the unprocessed records count will expand the form and display the unprocessed records so they can be evaluated.



Unreviewed In-House Accessions Report

Unreviewed or Undisseminated Accessions

From: 1/1/2002
To: 2/18/2002

ACC #	Batch	Clinic #	Doc #	Owner	Patient	Collection Date	Status	Order Date	Disseminated	Reviewed	Modified By	Date
00300007	0	T20	XYZ	JONES, LAWRENCE	JESSE	1/9/2002	PRELIMINARY	1/9/2002		Not Reviewed	STAFF1	01/09/02
00300019	0	880	XYZ	JONES, LAWRENCE	JESSE	12/15/2001	FINAL	1/9/2002		Not Reviewed	STAFF1	01/09/02
00302375	0	V25	XYZ	JONES, LAWRENCE	JESSE	1/17/2002	FINAL	1/17/2002		Not Reviewed	STAFF1	01/23/02
00304787	1262	T35	XYZ	JONES, LAWRENCE	JESSE	1/25/2002	FINAL	1/25/2002		Manual Review	STAFF1	02/01/02
00305917	0	046	XYZ	JONES, LAWRENCE	JESSE	1/30/2002	PRELIMINARY	1/30/2002		Not Reviewed	STAFF1	01/30/02
00305920	1328	636	XYZ	JONES, LAWRENCE	JESSE	1/30/2002	FINAL	1/30/2002		Manual Review	STAFF1	02/01/02
00306029	1328	V86	XYZ	JONES, LAWRENCE	JESSE	1/31/2002	FINAL	1/31/2002		Manual Review	STAFF1	02/01/02
00306169	1423	V43	XYZ	JONES, LAWRENCE	JESSE	1/31/2002	FINAL	1/31/2002		Not Reviewed	STAFF1	02/01/02
00306231	1423	152	XYZ	JONES, LAWRENCE	JESSE	1/31/2002	FINAL	1/31/2002		Manual Review	STAFF1	02/01/02
00306245	0	VV0	XYZ	JONES, LAWRENCE	JESSE	1/31/2002	PRELIMINARY	1/31/2002		Not Reviewed	STAFF1	01/31/02

Monday, February 18, 2002

Page 1 of 1

This report will help identify accessions that require attention.

The Dissemination Menu

This form shows the options available in the DISSEMINATION MENU. These functions are:

- DOCTOR'S REPORTS- This dialog controls the batch dissemination process.
- DISSEMINATION LOG- Views the status and results of the dissemination process.
- REMOTE PRINTER UTILITY- This utility transmits data to remote printers installed at clinic locations.
- AUTO-DISSEMINATE CONTROL- Allows on/off control of the auto-disseminate feature.

Doctors Reports Dialog

- The Doctors Reports Dialog is used to initiate batch dissemination. If you click OK with the default settings, as in the dialog configuration on the left, all accessions that have not yet been disseminated (no disseminate date) and do not have a report status of 'HOLD' and are either Reviewed or Do Not Hold for Review will be disseminated.
- The dissemination methods are determined by the clinic setup, but you can disable specific methods for the batch by switching these send options off.
- You can limit the dissemination by entering an accession or clinic range.
- When the reprint option is selected, you can re-disseminate a batch in its entirety or filtered by accession, clinic or multiple patient requisition ID.



Dissemination Log

Dissemination Log

Accession # Clinic # Batch Dissemination Date

Starting: [] [] [] []

Ending: [] [] [] []

In Process Complete Incomplete Attempts Failures Duplicates Sent

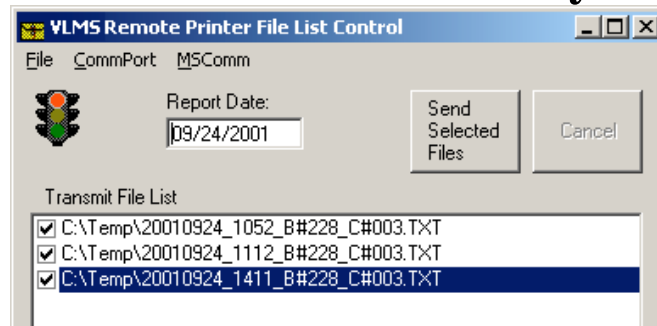
Log ID	Type	Clinic	Name	Status	Submitted	Sent	Server	Sent By
2154_20020201_1350	Local Print	2154	SMITH VET CLINIC	COMPLETE	2/1/2002 1:50:15 PM			
2154_20020201_1350	Fax	2154	SMITH VET CLINIC	COMPLETE	2/1/2002 1:50:15 PM	2/1/2002 1:50:00 PM		
636_20020201_13475	Local Print	636	SMITH VET CLINIC	COMPLETE	2/1/2002 1:47:55 PM			
636_20020201_13475	Fax	636	SMITH VET CLINIC	COMPLETE	2/1/2002 1:47:55 PM	2/1/2002 1:48:00 PM		
V72_20020201_13461	Local Print	V72	SMITH VET CLINIC	COMPLETE	2/1/2002 1:46:18 PM			
V72_20020201_13461	Fax	V72	SMITH VET CLINIC	COMPLETE	2/1/2002 1:46:18 PM	2/1/2002 1:46:00 PM		
V86_20020201_13172	Fax	V86	SMITH VET CLINIC	COMPLETE	2/1/2002 1:17:26 PM	2/1/2002 1:18:00 PM		
V86_20020201_13172	Local Print	V86	SMITH VET CLINIC	COMPLETE	2/1/2002 1:17:25 PM			
V86_20020201_13133	Fax	V86	SMITH VET CLINIC	COMPLETE	2/1/2002 1:13:36 PM	2/1/2002 1:14:00 PM		
V86_20020201_13133	Local Print	V86	SMITH VET CLINIC	COMPLETE	2/1/2002 1:13:35 PM			
W35_20020201_13044	Local Print	W35	SMITH VET CLINIC	COMPLETE	2/1/2002 1:04:41 PM			
W35_20020201_13044	Fax	W35	SMITH VET CLINIC	COMPLETE	2/1/2002 1:04:41 PM	2/1/2002 1:05:00 PM		
V24_20020201_12382	Local Print	V24	SMITH VET CLINIC	COMPLETE	2/1/2002 12:38:21 PM			
V24_20020201_12382	Fax	V24	SMITH VET CLINIC	COMPLETE	2/1/2002 12:38:21 PM	2/1/2002 12:38:00 PM		

Record: 14 of 7605

The Dissemination Logform is used monitor/review the dissemination process.

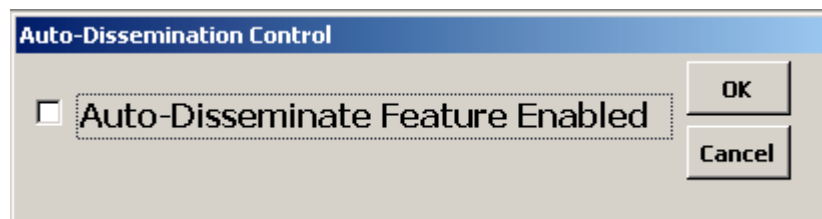
- The In-Process tab allows you to monitor the fax dissemination process while it is occurring. It displays all the reports to be faxed. The log will indicate which network PC has the report when a VLMSFax Client has begun to process it.
- The Complete tab shows all the completed dissemination items.
- The Incomplete Attempts tab displays all unsuccessful attempts to fax. The number of submissions made before the item is considered a failure is selectable. The Failures tab displays fax items that failed after the selected number of submissions.
- The Duplicates tab shows any duplicate dissemination items that have a status of 'COMPLETE' and are not reprints with the same batch, type and clinic.

Remote Printer Utility



The Remote Printer Utility sends the print files generated during the dissemination process to remote printers installed at clinic locations.

Auto-Disseminate Control



The Auto-DisseminateControl allows an administrator enable/disable the auto-disseminate feature.



The Orders Menu

ORDERS

Anylab Veterinary Laboratory

User: tadmin

☒ ORDER ENTRY

☐ MULTIPLE PATIENT ORDERS

☐ ACCESSION NUMBER LABELS

☐ MULTIPLE PATIENT REQUEST FORMS

☐ RETURN TO MAIN MENU

SwitchboardID: 10

Version: 1.04 (r) 02/04/02

This form shows the options available in the Orders MENU. These functions are:


- ORDERENTRY– This form is used to enter new orders (accessions).
- MULTIPLE PATIENTORDERS– This form is used to enter single test orders for multiple patients.
- ACCESSIONNUMBERLABELS– This dialog is used to print a series of accession labels and make those accession numbers available for order entry.
- MULTIPLEPATIENTREQUESTFORMS– The form is used to print out multiple patient requisition forms to be sent to clinics/doctors for multiple patient orders.



Order Entry Form

The Order Entry form is used to enter standard orders. The order heading information is entered. Selecting/entering

A clinic will automatically fill in the doctor info. Ordered test/profile tests are selected. When finished you can move on the next order or use the Build Lab Results button to build the lab result level tests. The lab result level tests are built automatically when the ordered is saved. Error checking is performed to ensure that tests within an ordered profile are not ordered individually as well. The standard record selector buttons are replaced with custom buttons to ensure proper building of lab result level tests.

- The accession number search entry box searches the database for the entered accession #. The leading zeros do not need to be entered. If the accession is found the box will be green; if not the box turns red.
- The Add New Record button , uses the first available unused accession # for the new record.
- The Add On Test(s) button is available if the current accession is already billed. It makes a new order based on the current one and prompts for a new accession # to use. This allows additional test orders to be made without modifying the original billed accession. The new accession's comments are noted with the original accession for reference.

The Add New record button, finds the first available unused accession #.

- The Build Lab Results button builds the lab result level tests.

Multiple Patient Orders Form

Multiple Patient Requisition Entry

Multiple Patient Requisition Entry

Multi-Pat Req. ID:
Order Date:
☐ Multiple Patient Reporting
☐ Order Created

Test:

Clinic:

Doctor:

Create Orders
Clear Line Items

Line Items

ACCESSION #	OWNER	PATIENT	SPECIES	AGE	SEX	CHART#
00306460	JONES, LARRY	Buddy	FEL	3	m	
00306461	SMITH, SARAH	Mittens	FEL	4	f	
*						

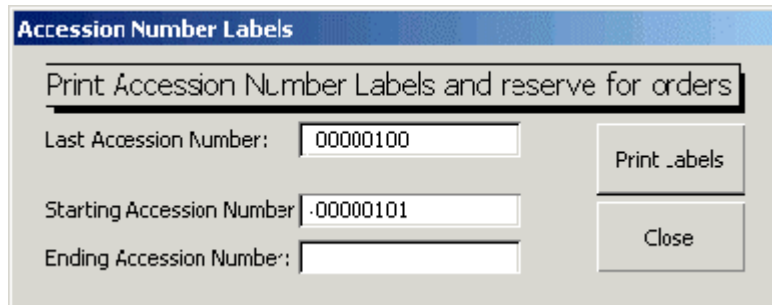
Record: of 2

Record: of 3

The MultiplePatient Orders Form is used to enter multiple patient requisition orders, but can also be used to enter a specific test for a number of owners/patients for a clinic.

- When entering a Multiple Patient order, enter the Multi-Pat. Req. ID. The clinic/doctor information will come up automatically because it is setup when the requisitions are printed for the clinic/doctor.
- If it is not a multiple patient order, enter zero (0) in the Multi-Pat. Req. ID box or uncheck the Multiple Patient Reporting check box. You will be required to select a clinic and doctor.
- The Accession #, Owner, Patient and Species are required to be entered for each line item. Age, Sex and Chart # are optional.
- The Create Orders button will build the accessions based on the information provided.
- The Clear Line Items will remove all the line items from the line items window. The button is not enabled after the order already created.

Accession Labels



Accession Number Labels

Print Accession Number Labels and reserve for orders

Last Accession Number:

Starting Accession Number:

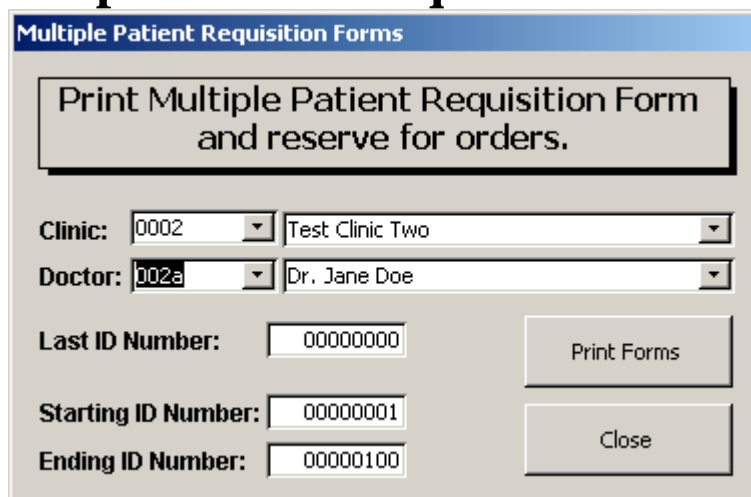
Ending Accession Number:

Print Labels

Close

The Accession Number Labels dialog will print accession labels for a range of accession numbers and initialize those numbers for use in new orders. The starting number is set to the next available un-initialized accession number.

Print Multiple Patient Requisition Forms Dialog



Multiple Patient Requisition Forms

Print Multiple Patient Requisition Form and reserve for orders.

Clinic:

Doctor:

Last ID Number:

Starting ID Number:

Ending ID Number:

Print Forms

Close

The Print Multiple Patient Requisition Forms dialog prints multiple patient requisitions forms to be sent to clinic/doctors.

The type of requisition allows the doctor to order a singular vest for a list of patients. When the requisitions are printed the requisition numbers are reserved for that specific clinic/doctor.



The Invoicing Menu

INVOICING

Anylab Veterinary Laboratory

User: administrator

☒ ENTER/EDIT INVOICES

☐ CREATE INVOICE BATCH

☐ RETURN TO MAIN MENU

SwitchboardID: 7

Version: 1.04 (r) 02/04/02

This form shows the options available in the INVOICINGMENU. These functions are:

- ENTER/EDIT INVOICES– This form displays existing invoice information and allows adding invoice one at a time.
- CREATEINVOICEBATCH– This dialog is used to run a batch of invoices for all doctor for a date range. Invoicing is done for each doctor, therefore different doctors at the same clinic can be billed with different billing setups.

The Invoices Form

INVOICEHEADER					
INVOICE #	10670	INVOICE DATE	2/7/2002	Collect Tests for Billing	Print Invoice
DOCTOR	Test Doctor			BILLING TYPE	LEVEL 1
ADDRESS	1234 Main Street		DISCOUNT LEVEL 1 0.00%		
CITY	Anywhere		DISCOUNT LEVEL 2 40.00%		
STATE	NY	ZIP	11763-	DISCOUNT LEVEL 3 30.00%	
Invoice date range:		01/01/02	thru	01/31/02	DISCOUNT LEVEL 4 0.00%
<input type="checkbox"/> Invoice Printed		Invoice Type		Single	EARLY PAYMENT DISCOUNT % 5.00%
				EARLY PAYMENT # OF DAYS	15
SVCDATE	SPECIES	TESTID	LIST PRICE	COST	
ACCNO	PATIENT	TESTDESCRIPTION			
3/20/2002	CANINE	98827	\$11.00	\$6.75	
87363	SMITH, BUSTER	CANINE HAPPINESS TITER			
				Subtotal:	\$6.75
				Total Invoiced:	\$6.75
				Discount:	\$0.00
				Early Payment Discount:	\$0.00
				Total After Discounts:	\$6.75
Record: 671 of 671					

The Invoicesform is used to enter single invoices. The when the doctor is selected the doctor details and billing settings are initialized. The invoice date range defaults to the past billing cycle, but can be manually adjusted.

- The CollectTests for Billingbutton will gather all the unbilled tests for the selected doctor and add them to the invoice line items. The accessions are them marked as billed, which will lockthem down.
- The Print Invoicebutton print/reprint an invoice.
- The Cancel button willdelete the invoice, including the line item information and clear the associated accession billed flags.

Invoice Batch Select Option

Use this form to run a batch of invoices for all doctors with the selected billing date. Each doctor has a billing date selection of 7th, 15th, 22nd or End of Month. The InvoicingList button will display the current billing period and last billing periods charges and enable the Disseminate Invoices button. The Disseminate Invoices button generates invoices, marks the accessions as billed and prints and/or faxes the invoices. The ReprintOffice Copies button will allow batch reprints of invoices.

Administration Services Menu

This form shows the options available in the ADMINISTRATION SERVICES MENU. These functions are:

- CLINIC-DOCTOR MENU– This option displays the Clinic-Doctor Menu.
- LABSERVERLIST– This dialog is used to edit/add potential data server PCs to the list and select the active server.
- SECURITYMENU– This option displays the Security Menu.
- SUPPORTINGTABLESMENU– This option displays the Supporting Tables Menu
- TESTS MENU– This option displays the Tests Menu.



Clinic-Doctor Menu

CLINIC-DOCTOR MENU

Anylab Veterinary Laboratory

User: administrator

☒ CLINICS - DOCTORS

☐ CLINIC PRIORITY ORDER

☐ RETURN TO MAIN MENU

SwitchboardID: 12

Version: 1.04 (r) 02/04/02

This form shows the options available in the CLINIC-DOCTOR MENU. These functions are:

- CLINICS-DOCTORS This form displays clinic and doctor information.
- CLINICPRIORITYORDER- This dialog is used to adjust the priority order of the clinics which controls the order in which the clinics are displayed in the Lab Results screen and disseminated during a batch dissemination.

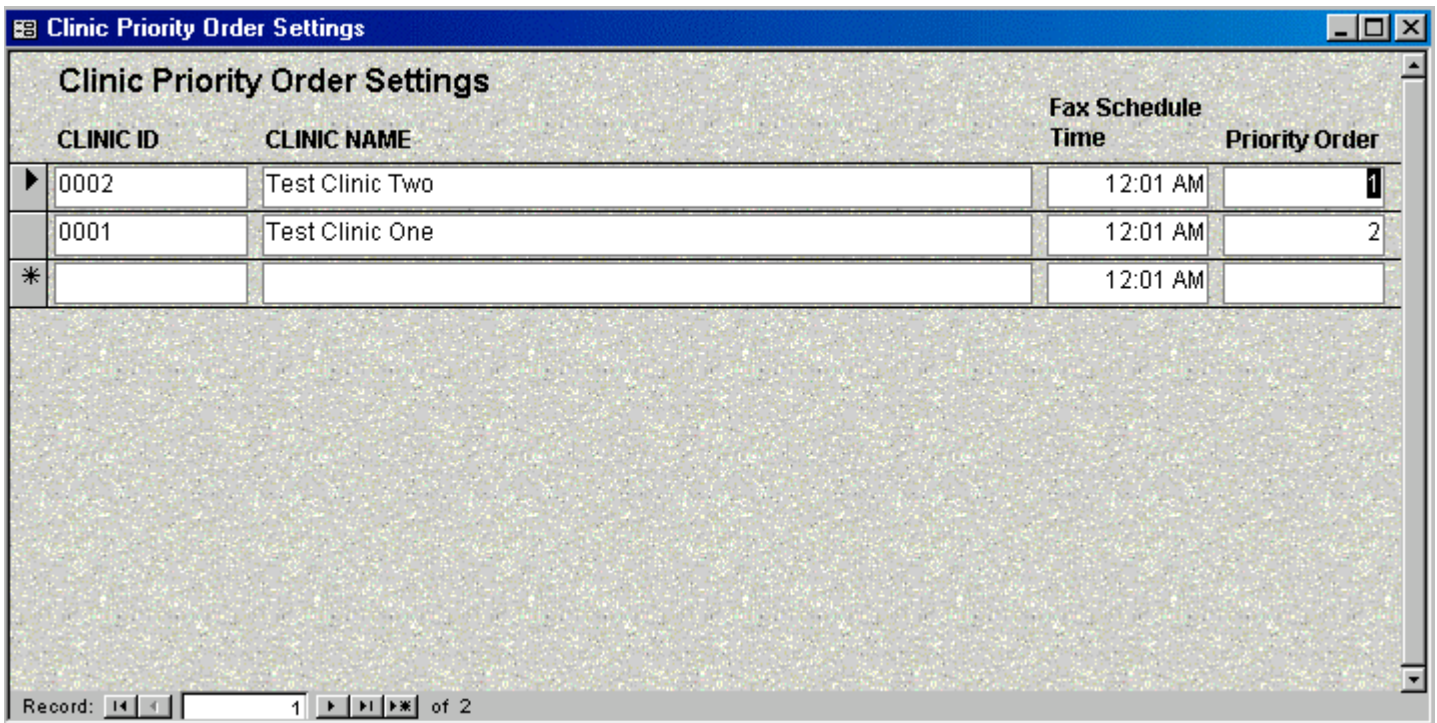


Clinic/Doctor Form

CLINICS							
CLINIC ID	TEST						
CLINIC NAME	Test Clinic						
ADDRESS 1	1234 Main Street						
ADDRESS 2							
CITY	Anywhere						
STATE	NY						
ZIP CODE	11763-						
PRIMARY CONTACT							
PHONE #	(555) 555-1234						
FAX #	(555) 555-1235						
EMAIL							
REMOTE PRINTER #							
Send Options							
<input checked="" type="checkbox"/> Fax	<input checked="" type="checkbox"/> Mailing <input type="checkbox"/> Remote Print						
	<input type="checkbox"/> Manual Fax <input type="checkbox"/> Email						
Fax Schedule Time: 12:01 AM							
<input checked="" type="checkbox"/> Active?	<input checked="" type="checkbox"/> Multiple Patient Reporting Format						
DOCTORS							
DOCTOR ID	TEST						
DOCTOR NAME	Test Doctor						
ADDRESS 1	1234 Main Street						
ADDRESS 2							
CITY	Anywhere						
STATE	NY						
ZIP CODE	11763-						
PHONE #							
FAX #							
PRIMARY CONTACT							
EMAIL							
BILL DATE	End of Month						
BILLING TYPE	LEVEL 1						
DISCOUNT % 1	40.00%						
DISCOUNT % 2	30.00%						
<input type="checkbox"/>							
<input checked="" type="checkbox"/> Early Payment Discount	%: 5.00%						
# of Days for Early Payment Discount:	15						
Type							
Invoicing Options							
<input checked="" type="checkbox"/> Mailing <input type="checkbox"/> Fax	Invoice Fax #:						
<table border="1"><thead><tr><th>TESTID</th><th>FEE</th></tr></thead><tbody><tr><td>C732</td><td>\$22.00</td></tr><tr><td></td><td>\$0.00</td></tr></tbody></table>		TESTID	FEE	C732	\$22.00		\$0.00
TESTID	FEE						
C732	\$22.00						
	\$0.00						
Record: 2 of 2							
Record: 335 of 335							

Use this form is used to edit/add clinic and doctor information. The clinic section includes information relating to report dissemination. The doctor section can have many doctors per clinic and includes billing information.

Clinic/Doctor Priority Settings



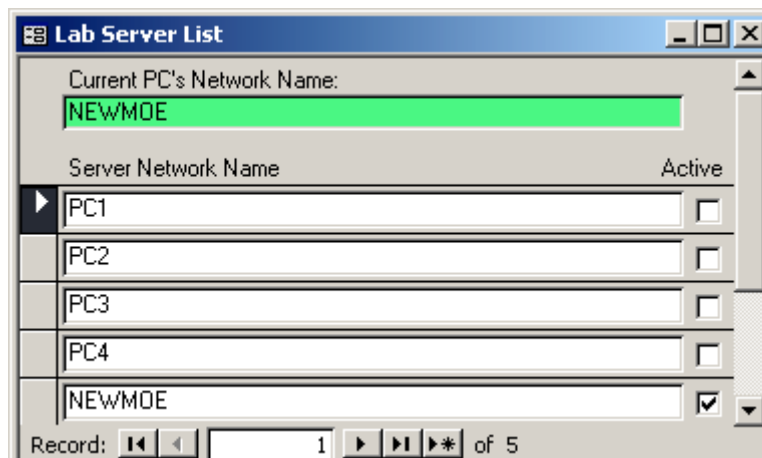
Clinic Priority Order Settings

CLINIC ID	CLINIC NAME	Fax Schedule Time	Priority Order
0002	Test Clinic Two	12:01 AM	1
0001	Test Clinic One	12:01 AM	2
*		12:01 AM	

Record: 1 of 2

This dialog is used to adjust the priority order of the clinics which controls the order in which the clinics are displayed in the Lab Results screen and disseminated during a batch dissemination. To move a clinic up in the priority order change the number to the position you want to move it to, i.e. # change 10 to 5. The current #5 clinic becomes #6 and the current #10 clinic becomes #5. To move a clinic to a lower priority change the clinic's number to the position above the clinic it should precede i.e. change 4 to 12. The current #12 clinic becomes #11, #5 becomes #4 and #4 becomes #12.

Lab Server List



Lab Server List

Current PC's Network Name: NEWMOE

Server Network Name	Active
PC1	<input type="checkbox"/>
PC2	<input type="checkbox"/>
PC3	<input type="checkbox"/>
PC4	<input type="checkbox"/>
NEWMOE	<input checked="" type="checkbox"/>

Record: 1 of 5



- I. This dialog is used to edit/add potential data server PCs and to select the active server. When the application is linked to the server selected as active it. In case of a problem, the data files can be copied from the active server or backup tape to another PC on the list, which is then selected as the active server.

Security Menu

The screenshot shows a window titled "SECURITY" with a teal header bar. On the left is the IBG logo. The main area has a teal background with the text "Anylab Veterinary Laboratory". Below this is a "User:" label followed by a text box containing "administrator". To the right of the text box are three menu items, each with a checkbox: "USERS" (checked), "TASK RIGHTS", and "RETURN TO MAIN MENU". At the bottom left, there is a "SwitchboardID:" label followed by a text box containing "6". At the bottom center, there is a status bar that reads "Version: 1.04 (r) 02/04/02".

This form shows the options available in the SECURITYMENU. These functions are:

- USERS– This form is used to setup user information.
- TASKRIGHTS– This form is used to set the security rights for each task type and menu item.



Supporting Tables Menu

SUPPORTING TABLES

Anylab Veterinary Laboratory

User: administrator

☒ ANTIBIOTICS

☐ BILLING METHODS

☐ RESULT COMMENTS

☐ SPECIES

☐ RETURN TO MAIN MENU

SwitchboardID: 13

Version: 1.04 [r] 02/04/02

This form shows the options available in the SUPPORTING TABLES MENU. These functions are:

- ANTIBIOTICS This form is used to setup antibiotics used for bacteriology /fungal cultures.
- BILLINGMETHODS- This form is used to setup applicable billing methods.
- RESULTCOMMENTS This form is used to setup the canned comments for the lab results entry.
- SPECIES- This form is used to setup applicable species.



Tests Menu

TESTS

Anylab Veterinary Laboratory

User: administrator

- ☒ TESTS
- ☐ TEST CATEGORIES
- ☐ TEST CATEGORIES / TESTS SORT ORDER
- ☐ TEST VENDORS
- ☐ VERIFY TEST PROFILE CHAINS
- ☐ RETURN TO MAIN MENU

SwitchboardID: 8

Version: 1.04 (r) 02/04/02

This form shows the options available in the TESTS MENU. These functions are:

- TEST– This form is used to setup tests, test profile components and test-species normal ranges.
- TEST CATEGORIES– This form is used to setup test categories.
- TEST CATEGORIES/TESTS SORT ORDER– This form is used to adjust the order for test categories and tests within each category. This is the order in which categories and tests will appear on lab result reports.
- TEST VENDORS– This form is used to setup vendors of send out tests.
- VERIFY TEST PROFILE CHAINS– This form is used to identify problems in a test profile chain for a range of accessions.



Tests

TESTS			
TEST ID	0001		
TEST DESCRIPTION	Canine Happiness Test		
TEST CATEGORY	MISCELLANEOUS		
LIST PRICE (Legacy)	\$5.95	<input checked="" type="checkbox"/> Result Required	
LIST PRICE (Tier)	\$5.95	Significant Figures for Result	1
DISCOUNT TIER	Tier 1	Work Type	In House
SPECIAL TEST	N/A	Vendor	
UNITS	millihaps	Cost of Sendout Test	\$0.00
TEST COMPONENTS			
TEST ID	CHILD TEST DESCRIPTION	REPORT SPECIAL RANGE	
		<input checked="" type="checkbox"/>	
Record: 1 of 1			
Species Range			
Species	Normal Low	Normal High	
CAN	3.5	7.3	
*			
Record: 1 of 1			
Special Range			
<input checked="" type="checkbox"/> Report Special Range			
Line 1			
Line 2			
Line 3			
Line 4			
Line 5			
Line 6			
Line 7			
Line 8			
Memo:			
Record: 1 of 4			

Use this form is used to edit/add test, test profile component and test-species normal range information. Atest profile can contain other profiles as components tests. This makes the profile setup very flexible,but can also lead to circular references and duplication. The program will detect and weed out singular duplicate tests or trigger warnings formost other types of problems. Normal test result ranges must be setup for any applicable



species for each test that requires a result (not a profile level test). Special range information can be supplied and a switch is provided to control whether this information is displayed on the lab result reports.

Test Categories / Tests Sort Order

Test Category / Test Sort Order Selection

Test Categories		Tests		
Description	Sort Order	Test	Description	Sort Order
CHEMISTRY	1	0004	Red-Green Ratio	1
HEMATOLOGY	2	0002	Red Test	2
URINALYSIS	3	0003	Green Test	3
ENDOCRINOLOGY	4			
THERAPEUTIC DRUGS	5			
SEROLOGY	6			
BACTERIOLOGY	7			
PARASITOLOGY	8			
TOXICOLOGY	9			
MISCELLANEOUS	10			
PATHOLOGY	11			
RADIOLOGY	12			

Record: 1 of 13

Record: 1 of 3

TEST CATEGORIES TESTS SORT ORDER— This form is used to adjust the order for test categories and tests within each category. This is the order in which categories and tests will appear on lab result reports. Set the order for the categories in the same manner as the clinic priority order. The tests for the current category selection are displayed in the tests section. The tests within each category are ordered independently.



Reports Menu

The screenshot shows a web application window titled "REPORTS". The header area is teal and contains the "IBG" logo on the left and "Anylab Veterinary Laboratory" on the right. Below the header, there is a "User:" label followed by a text input field containing "tadmin". A list of menu items follows, each with a checkbox: "ABNORMAL RESULTS" (checked), "PENDING LIST", "REJECTED RESULTS", "SEND OUT VENDOR PENDING LIST", "TEST ANALYSIS REPORT", "TEST FREQUENCY REPORT", "WORK LISTS", and "RETURN TO MAIN MENU". At the bottom left, there is a "SwitchboardID:" label followed by a text input field containing "5". At the bottom center, there is a version string: "Version: 1.04 (r) 02/04/02".

This form shows the options available in the REPORTS MENU. These functions are:

- **ABNORMARESULTS**- This form is used to setup tests, test profile components and test-species normal ranges.
- **PENDINGLIST**- This launches the Pending Results list of accessions awaiting results.
- **REJECTEDRESULTS**- This launches a report of tests with rejects test results.
- **SEND OUTVENDORPENDINGLIST** -This launches a report listing of accessions awaiting results for send out tests.
- **TEST ANALYSISREPORT**- This launches a report by test of results for accessions
- **TESTFREQUENCYREPORT**- This launches a report by test of the quantity of tests ordered within a specified date range.
- **WORKLISTS**- This launches a report of tests to be performed for a specified accession range, test category and work type.



Sample Lab Report

ANYLAB VETERINARY LABORATORY

1234 MAIN STREET • HOLBROOK, NY 11741
(555) 555-1234 FAX (555) 555-1235LABORATORY
REPORT

VETERINARIAN INFORMATION		PATIENT INFORMATION		ACCESSION NUMBER	
Doctor# 7766	Clinic# 54554	Smith, Sparky		00305087	
Jones, Dr. Thomas		AGE: 5		SEX: M	
321 West 231st Street		Species: FEL		CHART NUMBER	
Brooklyn, NY 19292		ID:		REPORT STATUS	
Phone 718-928-9292 FAX: 718-928-9293				FINAL	
Email:		COLLECTION DATE / TIME		LOG IN DATE / TIME	
		01/26/02 0:00		01/26/02 21:53	
				REPORTING DATE	
				1/27/2002	
TEST NAME		WITHIN RANGE	OUT OF RANGE	REFERENCE RANGE	UNITS
TESTS ORDERED:					
98827 CANINE HAPPINESS PANEL					
CHEMISTRY					
7877372	PANEL COMPONENT #1	125		50-150	MG/DL
7877373	PANEL COMPONENT #2	3.8		2.4-4.7	G/DL
7877374	PANEL COMPONENT #3		4.5	0.8-2.2	MG/DL

**Pending Results Criteria Form**

Pending List Criteria

Pending List Criteria

ACCESSION # Date

Starting: 000000000 3/20/02

Ending: 000000001 3/20/02

OK

Cancel

Use this form to create the Pending Results list of accessions awaiting results.

Pending Results List**Pending Results List**

	ACCESSION #	Date
Starting:	V00118355	2/1/01
Ending:	V00118355	2/1/02

ACC #	TEST ID	TESTDESCRIPTION
00118355	XXX11	A/G Ratio
00118355	XXX11	Alt (SGPT)
00118355	XXX11	Albumin
00118355	XXX11	Ast (SGOT)
00118355	XXX11	Bun/Creatinine Ratio
00118355	XXX11	Chloride
00118355	XXX11	CO2
00118355	XXX11	LDH
00118355	XXX11	Lipase
00118355	XXX11	Phosphorus
00118355	XXX11	TOTAL PROTEIN
00118355	XXX11	Fecal Ova & Parasite
V00118355	XXX11	Amylase
V00118355	XXX11	Alkaline Phosphatase

ACC #	TEST ID	TESTDESCRIPTION
00118355	XXX11	Absolute Neutrophil
00118355	XXX11	Absolute Lymphs
00118355	XXX11	Absolute Monos
00118355	XXX11	Absolute Basos
00118355	XXX11	Absolute Eosinophil
00118355	XXX11	Giardia



Work List Criteria Form

Work List Criteria

OK Cancel

ACCESSION #

Starting: Work Type:

Ending: Test Category:

This form is used to create the WorkList report.

Work List Report

VLMS Work List													
2/7/2002 3:28:54 PM				IN HOUSE BACTERIOLOGY WORKSHEET				Page 1 of 1					
				FROM 00306300 TO 00306459									
ACCESSION NUMBER	SPECIES	ACID FAST SMEAR	ANEROBIC CULTURE	CAMPYLOBACTER	FECAL DIGESTION COMPREHENSIVE	Clostridium Difficile Toxin	COMPREHENSIVE FECAL CULTURE	Culture Sensitivity	Culture, Dermatology	Culture, Ht Only	Blood Culture	Culture, Fungal	Occult Blood
00306320	FEL							X					
00306324	FEL												
00306332	CAN							X					
00306340	FEL												X X
00306346	CAN												X X
00306347	CAN												X X
00306352	FEL												X
00306361	FEL												X X
00306417	CAN												X

**Test Analysis Criteria Form**

Report Date Selection

Starting Date: 03/27/02

Ending Date: 03/27/02

RESULTS

☒ Show All

☐ Show Abnormal

OK

Cancel

This form is used to create the test results report

Test Analysis Report

TEST ANALYSIS						
TEST DESCRIPTION	ACCESSION #	RESULTS	NORM LOW	NORM HIGH	UNITS	
43433 TEST XXXYYYZZZ						
OUT OF RANGE: HIGH						
	00297675	172	5	95	U/L	
NORMAL						
	00297661	36	5	95	U/L	
43434 TEST XXXSSSSS						
OUT OF RANGE: HIGH						
	00297661	45	27	44	G/DL	
NORMAL						
	00297613	3.3	3.0	4.5	G/DL	
	00297622	3.5	3.0	4.5	G/DL	
	00297633	3.6	3.0	4.5	G/DL	
	00297635	3.4	3.0	4.5	G/DL	