

Public Health Laboratory Information System (PHLIMS)

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Norbert Godinez

Team Lead, PHLIMS Project

Elizabeth W. Delamater, Ph.D.

Manager, Microbiological Sciences Division

Laboratory Services Section

Texas Department of State Health Services



Implementation Process

- As is Process Document
- Walk-Through Lab
- Functional Specifications
- Develop Prototype

Implementation Process

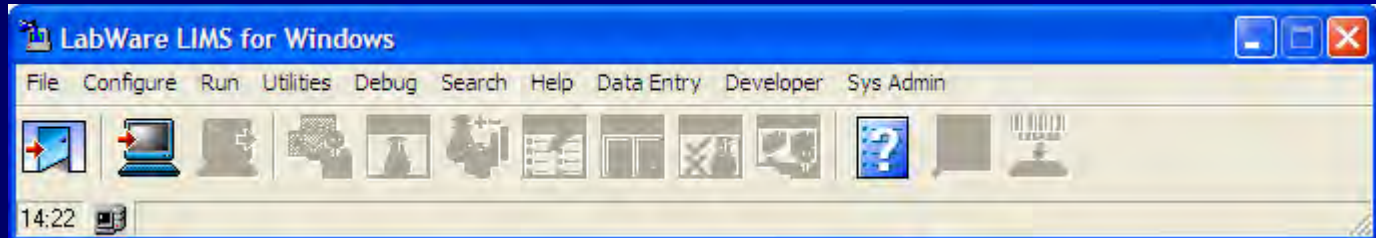
- Prototype Demonstration
- Develop User Guide
- Develop Test Scripts
- On the Job Training
- Testing

Areas Ready for Testing


- Media Preparation
- Laboratory Supply
- Container Preparation
- Medical Serology
 - Diagnostic Serology
 - HIV/STD
 - Specimen Receiving
 - Data Entry / Reporting

Implementation Plan

- Medical Virology
- Bacteriology
- Mycobacteriology
- BT and LRN
- Molecular Biology



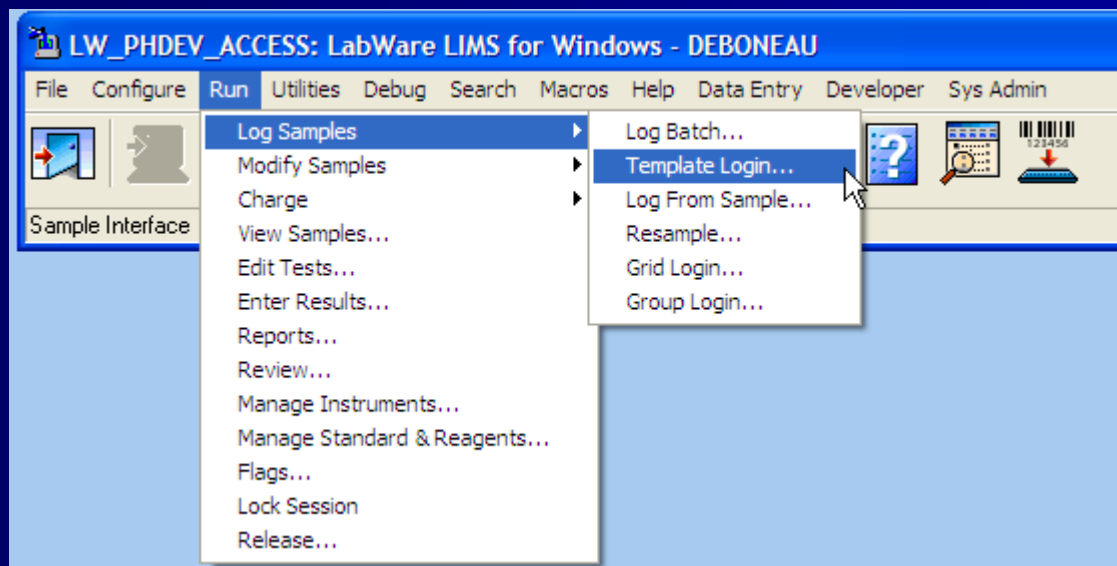
Please Log In

 User Name:

Password:

Role:





Clinical Sample Pre-log [Minimize] [Maximize] [Close]

File Edit Audit

[Home] [Print] [Refresh] [Print] [Copy] [Paste] [Print] [Print]

1

Logged: [Dropdown] [Open] [Log]

Options

Edit Tests Enter Results Receipt Label

Summary | SYSTEM

Sample Category: [Magnifying Glass] HUMAN

Sample Subcategory: HIV [Dropdown]

Specimen Source: Blood [Dropdown]

Label Id: [Text Box]

Assign Tests: HIV [Dropdown]

Assign Test Profiles: [Dropdown]

Clinical Sample Pre-log

File Edit Audit

1

Logged: [] [Open] [Log]

Options

Edit Tests Enter Results Receipt Label

Summary | SYSTEM

Sample Category: [HUMAN]

Sample Subcategory: [HIV]

Specimen Source: [Blood]

Label Id: []

Assign Tests: [HIV] []

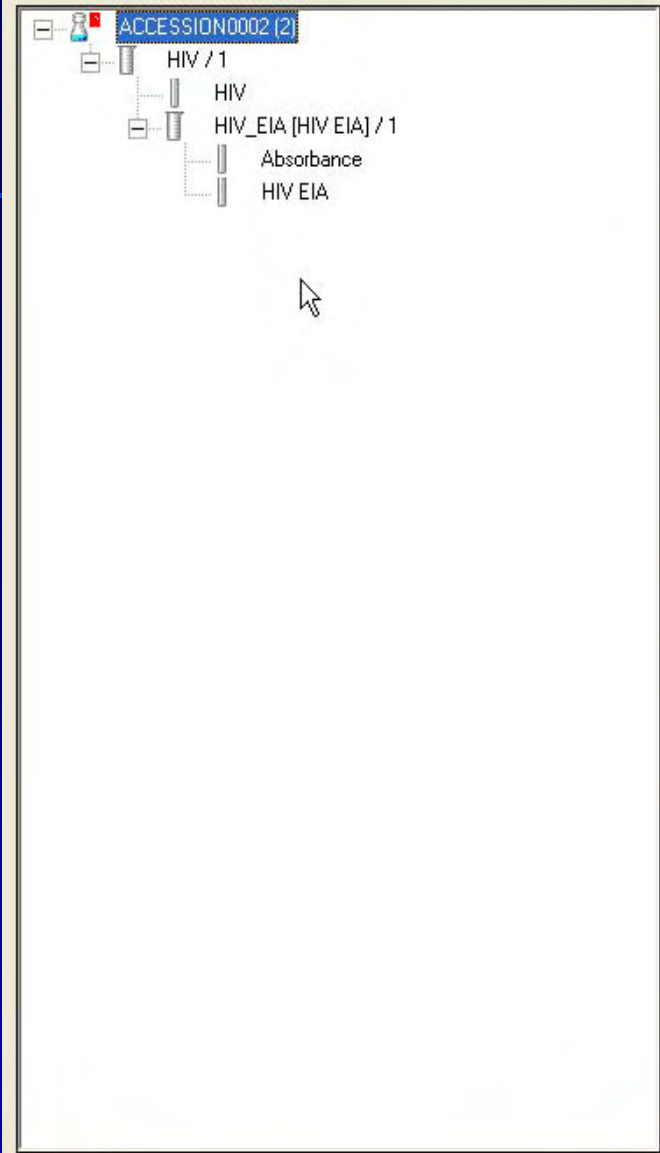
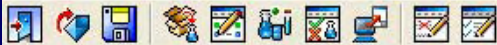
Assign Test Profiles: [] []

Scan Sample Barcode/Label

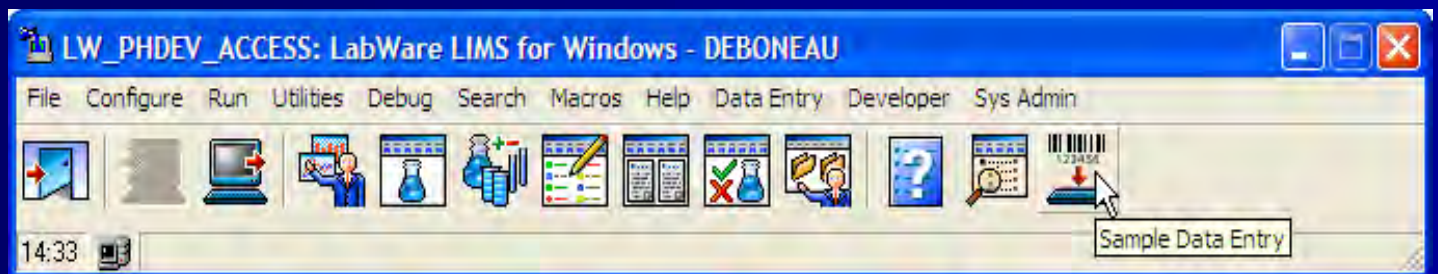
Enter Barcode/Label for Sample 1

ACCESSION0002

OK Cancel



HIV / 1	
HIV	
HIV_EIA [HIV EIA] / 1	
Absorbance	
HIV EIA	
Aliquot	False
Approval Id	0
Approved	False
Changed On	04/18/2007 02:30:36 PM
Clin Trl Day Num	0
Clin Trl Prot Ver	0
Clin Trl Subject No	0
Clin Trl Version	0
Clin Trl Visit No	0
Collection Offset	0
Composite	False
Data Entered	False
Data Entry Amended	False
Data Needs Review	True
Data Reviewed	False
Date Logged	04/18/2007 02:30:35 PM
Date Received	04/18/2007 02:30:35 PM
Disp Flds	HUMAN
Expiry	0
Group Name	DEFAULT
Has Flags	False
In Cal	True
In Control	True
In Spec	True
Investigated	False
Lab	STD
Label At Login	False
Label Id	ACCESSION0002
Last Sample Number	0



Sample Prompter

Status

- Unreceived
- Incomplete
- In Progress
- Complete
- Authorized
- Rejected
- Canceled

Return

Sample
 Folder

Filter

None

Configure...

Search Text Id

Sample Id: Barcode Id

OK Cancel Browse...



— Sample: ACCESSION0002 (2) —

Submitter:

Patient:

Patient Fullname:

--

Patient Extra Id:

--

--

--

--

Sampled Date:

Sample Time:

Add'l Info:

Data Entered: True False

Data Reviewed: True False

Data Needs Review: True False

Data Entry Example

File Options

– Sample: ACCESSION0002 (2) –

Submitter:

Patient:

Submitters

Submitter	Company Name	Description
CUSTOMER1	Company Customer 1	Customer 1
CUSTOMER2	Company Customer 2	Customer 2
DAVETROTTI		Dave



- Sample: ACCESSION0002 (2) -

Submitter:

Patient:

Open Patient Dialog

Patient:

Patient Identifier:

SSN:

Last Name:

First Name:

Phone:

Gender:

Patient Type: HUMAN

Patient:

Patient [Close]

Patient	Last Name	First Name	Birth Date	Animal ID	Ani
ABS	me	toos			
X11445	Me	Too			
X1158	Too	Me			
X1234	Mouse	Mickey	01/01/1946 12:00:00 AM		
X12342	Jones	Jimmy	01/01/2007 12:00:00 AM		
X1234-3	Jones	Jimmy			
X1235	Duck	Donald	01/01/1946 12:00:00 AM		
X12558	11	22			
XY4488	Duck	Jimmy	01/01/1946 12:00:00 AM		
XY89893	Duck	Jones			
XZ1235	Jomey	katy			

og

Patient:

Patient Identifier:

SSN:


Last Name:

First Name:

Phone:

Gender:

Patient Type: HUMAN

Patient: 

Patient [Close] [Log]

Patient	Last Name	First Name	Birth Date	Animal ID	Ani
X1235	Duck	Donald	01/01/1946 12:00:00 AM		
XY4488	Duck	Jimmy	01/01/1946 12:00:00 AM		
XY89893	Duck	Jones			

Prev Page Next Page OK Cancel

Patient:

Patient Identifier:

SSN:

Last Name:

First Name:

Phone:

Gender:

Patient Type: HUMAN

Cancel Create New Record

Patient:

Patient	Last Name	First Name	Birth Date	Animal ID	Ani
XY4488	Duck	Jimmy	01/01/1946 12:00:00 AM		
XY89893	Duck	Jones			

Patient:
 Patient Identifier:
 SSN:
 Last Name:
 First Name:
 Phone:
 Gender:
 Patient Type: HUMAN

Patient:



Patient Manager [Minimize] [Maximize] [Close]

File Edit Audit

[Home] [Back] [Forward] [Print] [Refresh]

Created By: DEBONEAU
Created On: 04/18/2007 02:45:39 PM

Changed By:
Changed On:

Summary View | Report | Samples | Charges

Patient Identifier:

SSN:

Last Name:

First Name:

Middle Name:

Street Address 1:

Street Address 2:

City:

State:

Zip:

County:

Phone:

Insurance Provider:

Save



— Sample: ACCESSION0002 (2) —

Submitter:

Patient:

Patient Fullname: LAMEDUCK

— SSN: 111-11-111 —

Patient Extra Id:

--

— Lake Jackson, TX 77566 —

— County: Other —

--

Sampled Date:

Sample Time:

Add'l Info:

Data Entered: True False

Data Reviewed: True False

Data Needs Review: True False



Batch Manager

File Edit View Run Batch Options Audit Help

Batch Header Template

Name	Description
HEPB_HBSAG	Hepatitis B SAG
HEPC_HCVAB	Hepatitis C VAB
HEPC_PCR	Hepatitis C PCR
HEPC_RIBA	Hepatitis C RIBA
HIV_WB_ORL	HIV Western Blot - Oral
HIV_WB_SER	HIV Western Blot - Serum
HIVEIA_ORL	HIV EIA Oral
<u>HIVEIA_SER</u>	<u>HIV EIA Serum</u>
HSV	Serology HSV IFA
IFA_ARBO	IFA Arbo
IFA_ENTERO	IFA Entero
IFA_HSV	IFA HSV
IFA_OTHER	IFA Other
IFA_RESP	IFA Resp
LCMV	Serology LCMV
LEGIONELLA	Serology Legionella IFA
LYMES	Serology Lymes EIA
M_PNEUM	Serology m. pneumoniae CF
MEASLES_IGG	Serology Measles IgG IFA
MEASLES_ICM	Serology Measles ICM IFA

OK Cancel

HIVEIA_SER : HIVEIA_SER-20070418-1

File Edit View Run Batch Options Audit Help

Created By: DEBONEAU Batch Link:

Updated On: 04/18/2007 02:54:18 PM Type:

Batch Comment:

HIVEIA_SER : HIVEIA_SER-20070418-1

File Edit View Run Batch Options Audit Help

Result View

Component	Units	Value	Min	Max	Status
Plate Cutoff Value		90			Entered
Grey Zone Cutoff		85.500			Entered
HIV EIA Kit					Blank
Accurun 810					Blank
Accurun 1					Blank

90


Ad Hoc... Cancel Restore Authorize Reject

HIVEIA_SER : HIVEIA_SER-20070418-1

File Edit View Run Batch Options Audit Help

1 of 2 97% ReportView Total:16 100% 16 of 16

Preview



Batch: HIVEIA_SER-20070418-1

TEST Batch: BATCH_LINK = HIV_EIA

Template:	HIVEIA_SER	Created By:	DEBONEAU
Template Version:	1	Date Created:	4/18/2007
Group Name:	SEROLOGY	Changed By:	DEBONEAU
Closed:	False	Changed On:	4/18/2007

Batch Tests Summary

Sample #	Order/Sample	Patient	Test / Rep	Test Status
3	QC-HIV_EIA-3		QC_HIV_EIA	Incomplete
2	ACCESSION0002	LAMEDUCK	HIV_EIA	Incomplete
1	ASCESSION0001		HIV_EIA	Incomplete

Batch Samples / Tests

HIVEIA_SER : HIVEIA_SER-20070418-1

File Edit View Run Batch Options Audit Help

Count: 1 of 3

Enter Results...
 Renew...
 Cancel...
 View Sample...
 Release Tests

1	[EIA]	Negative Control Absorbance / 1
2	[SAMPLE]	Negative Control Absorbance / 2
3	[SAMPLE]	Negative Control Absorbance / 3
4	Empty	Negative Control Interpretation / 1
5	Empty	Negative Control Interpretation / 2
6	Empty	Negative Control Interpretation / 3
7	Empty	Positive Control Absorbance
8	Empty	Positive Control Interpretation
9	Empty	Accurun 1 Absorbance
10	Empty	Accurun 1 Interpretation
11	Empty	Accurun 810 Absorbance
12	Empty	Accurun 810 Interpretation
13	Empty	
14	Empty	
15	Empty	
16	Empty	
17	Empty	
18	Empty	
19	Empty	
20	Empty	
21	Empty	
22	Empty	
23	Empty	
24	Empty	
25	Empty	
26	Empty	
27	Empty	
28	Empty	

Result Entry

File

Note: Use Page Up and Page Down keys to select tests

Analysis	Rep	Test Status	Text Id	Label Id	Sample Category	Status	Patient
HIV_EIA	1	Incomplete	HIV-07-000001	ACCESSION0001	HUMAN	Incomplete	
HIV_EIA	1	Incomplete	HIV-07-000002	ACCESSION0002	HUMAN	Incomplete	PIN002
QC_HIV_EIA	1	Incomplete	QC-HIV_EIA-3		QC	Incomplete	

Note: Hold down the Ctrl key and use Arrow keys to move within the grid

	Component	Units	Opt.	Reportable	Instrument	Value
	Absorbance		No	No		
	HIV EIA		No	Yes		

Result

Value

Instrument

Units

History... Reference Ranges

Cancel Restore Ad Hoc...

Sample

Link...

Test

Comment Other...

Result Entry



File

Note: Use Page Up and Page Down keys to select tests

Analysis	Rep	Test Status	Text Id	Label Id	Sample Category	Status	Patient
HIV_EIA	1	Incomplete	HIV-07-000001	ACCESSION0001	HUMAN	Incomplete	
HIV_EIA	1	Incomplete	HIV-07-000002	ACCESSION0002	HUMAN	Incomplete	PIN002
QC_HIV_EIA	1	Incomplete	QC-HIV_EIA-3		QC	Incomplete	

Note: Hold down the Ctrl key and use Arrow keys to move within the grid

	Component	Units	Opt.	Reportable	Instrument	Value
	Absorbance		No	No		34
	HIV EIA		No	Yes		Non-reactive

Result

- Value
- Instrument
- Units

Refresh Calc

History...

Reference Ranges

Cancel

Restore

Ad Hoc...

Sample

Link...

Test

Comment

Other...



Result Entry

File

Note: Use Page Up and Page Down keys to select tests

Analysis	Rep	Test Status	Text Id	Label Id	Sample Category	Status	Patient
HIV_EIA	1	Complete	HIV-07-000001	ACCESSION0001	HUMAN	Incomplete	
HIV_EIA	1	Incomplete	HIV-07-000002	ACCESSION0002	HUMAN	Incomplete	PIN002
QC HIV EIA	1	Incomplete	QC-HIV_EIA-3		QC	Incomplete	

Note: Hold down the Ctrl key and use Arrow keys to move within the grid

	Component	Units	Opt.	Reportable	Instrument	Value
	Absorbance		No	No		100
	HIV EIA		No	Yes		Reactive

Result

Value

Instrument

Units

Refresh Calc

History...

Reference Ranges

Cancel

Restore

Ad Hoc...

Sample

Link...

Test

Comment

Other...

Result Entry

File

Note: Use Page Up and Page Down keys to select tests

Analysis	Rep	Test Status	Text Id	Label Id	Sample Category	Status	Patient
HIV_EIA	1	Complete	HIV-07-000001	ACCESSION0001	HUMAN	Complete	
HIV_EIA	1	Complete	HIV-07-000002	ACCESSION0002	HUMAN	In Progress	PIN002
QC_HIV_EIA	1	Complete	QC-HIV_EIA-3		QC	Complete	

Note: Hold down the Ctrl key

Component	Result	Sample	Test
Accurun 1 Interpretation			
Accurun 810 Absorbance			
Accurun 810 Interpretation	No	No	Non-reactive

Please Confirm

Tests or results were added, would you like to refresh result entry?

Yes No

Result

Value

Instrument

Units

Refresh Calc

History...

Reference Ranges

Cancel

Restore

Ad Hoc...

Sample

Link...

Test

Comment

Other...

TEXAS
Department of
State Health Services

Result Entry

File

Note: Use Page Up and Page Down keys to select tests

Analysis	Rep	Test Status	Text Id	Label Id	Sample Category	Status	Patient
HIV_EIA	1	Complete	HIV-07-000001	ACCESSION0001	HUMAN	Complete	
HIV_EIA	1	Complete	HIV-07-000002	ACCESSION0002	HUMAN	In Progress	PIN002
QC_HIV_EIA	1	Complete	QC-HIV_EIA-3		QC	Complete	
HIV_EIA	3	Incomplete	HIV-07-000002	ACCESSION0002	HUMAN	In Progress	PIN002
HIV_EIA	2	Incomplete	HIV-07-000002	ACCESSION0002	HUMAN	In Progress	PIN002

Note: Hold down the Ctrl key and use Arrow keys to move within the grid

	Component	Units	Opt.	Reportable	Instrument	Value
	Absorbance		No	No		
	HIV EIA		No	Yes		

Result

Value

Instrument

Units

History...
Reference Ranges

Cancel

Restore

Ad Hoc...

Sample

Link...

Test

Comment

Other...



1 of 2 98% Total:16 100% 16 of 16

Preview

Sample #	Order/Sample	Patient	Test / Rep	Test Status
3	QC-HIV_EIA-3		QC_HIV_EIA	Complete
2	ACCESSION0002	LAMEDUCK	HIV_EIA	Complete
1	ASCESSION0001		HIV_EIA	Complete

Batch Samples / Tests

Sample #	Label ID	Test / Rep	Component	Result Value
3		QC_HIV_EIA	Negative Control Absorbance / 1	0
			Negative Control Absorbance / 2	0
			Negative Control Absorbance / 3	0
			Negative Control Interpretation / 1	Non-reactive
			Negative Control Interpretation / 2	Non-reactive
			Negative Control Interpretation / 3	Non-reactive
			Positive Control Absorbance	100
			Positive Control Interpretation	Reactive
			Accurun 1 Absorbance	100
			Accurun 1 Interpretation	Reactive
2	ACCESSION0002	HIV_EIA	Accurun 8 10 Absorbance	0
			Accurun 8 10 Interpretation	Non-reactive
			Absorbance	100
			HIV EIA	Reactive
1	ASCESSION0001	HIV_EIA	Absorbance	34
			HIV EIA	Non-reactive

Recipe Manager: 94055

File Edit Items

Summary Ingredients Items

Recipe Number: 94055

Version: 1

Description: CASEIN/TYROSINE BIPLATES

Makes Quantity: 1.0

Units: LITER

– Unit Display String: L –

Manuf Instruction Template: C:\LW-LIMS-V5\LW_PHDEV_ACCESS\DYNAMIC\00000

Regulatory Agency:

Active Flag: True False

Finished Goods Target Quantity: 40

Finished Good Target Units: PLATE

Expiration Interval (Days): 14

– No Hazardous Ingredients –

Recipe Manager: 94055

File Edit Items



Summary **Ingredients** Items

	Ingredient	Recipe Ingredient	Quantity	Quantity Percent	Quantity Units	Description	Percent Lost	Adjust
1	02007.00		12.50	2.3696682464	G	POWDERED SKIM MILK	0	
2	20014.00		5.00	0.9478672986	G	GRANULATED AGAR	0	
3	20011.00		5.75	1.0900473934	G	NUTRIENT AGAR	0	
4	00304.00		1.25	0.2369668246	MILLILITER	TYROSINE	0	
5	01046.00		3.00	0.5687203791	MILLILITER	RED DYE	0	
6	WATER		500.00	94.786729858	MILLILITER	DISTILLED WATER	0	



Formulation Manager: 94055.2007002

File Edit Options

Summary | Meta Data | QC Data | Ingredients | Mfg Instructions

Description: CASEIN/TYROSINE BIPLATES

Group Name:

Date To Manufacture:

Formulation Quantity:

- Target Quantity Units: L -

Finished Goods Target Quantity: 80

Finished Goods Actual Quantity:

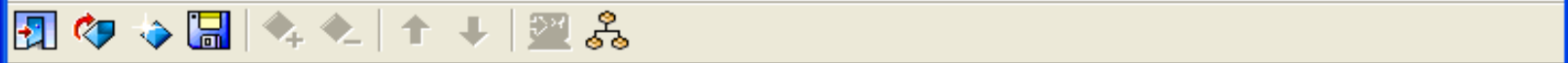
Formulation Expiration Date: 04/18/2007 12:00:00 AM

Interval Expiration Date: 05/02/2007 12:00:00 AM

Ingredient Expiration Date: 04/18/2007 12:00:00 AM

Regulatory Agency:

Formulation pH:



	Description	Ingredient Lot	Formulation Incred	Recipe Quantity	Actual Quantity	Quantity Units
1	POWDERED SKIM MILK	02007.00-00001		25.00	25.00	
2	GRANULATED AGAR			10.00	0.00	G
3	NUTRIENT AGAR			11.50	0.00	G
4	TYROSINE			2.50	0.00	MILLILITER
5	RED DYE			6.00	0.00	MILLILITER
6	DISTILLED WATER	WATER-00001		1000.00	1000.00	MILLILITER



Preview

Formulation: 94055.2007002 CASEIN/TYROSINE BIPLATES
Manufacture Date: 4/20/2007 12:00:00AM Media Expiration Date: 4/18/2007 12:00:00AM

Batch size 2 X Page 1 of 2

Ingredient	Amount	Control/Lot Number	Expiration Date	Tech
POWDERED SKIM MILK	25.00	1229 LGM	08/31/2007	
DISTILLED WATER	1,000.00	04/20/2007		

94055.2 PLATES ORG. 01-05-88, REV.11-04-02, 7-22-03, REV. 3-10-04, REV. 6-4-04, REV. 07-20-04, REV. 07-19-05

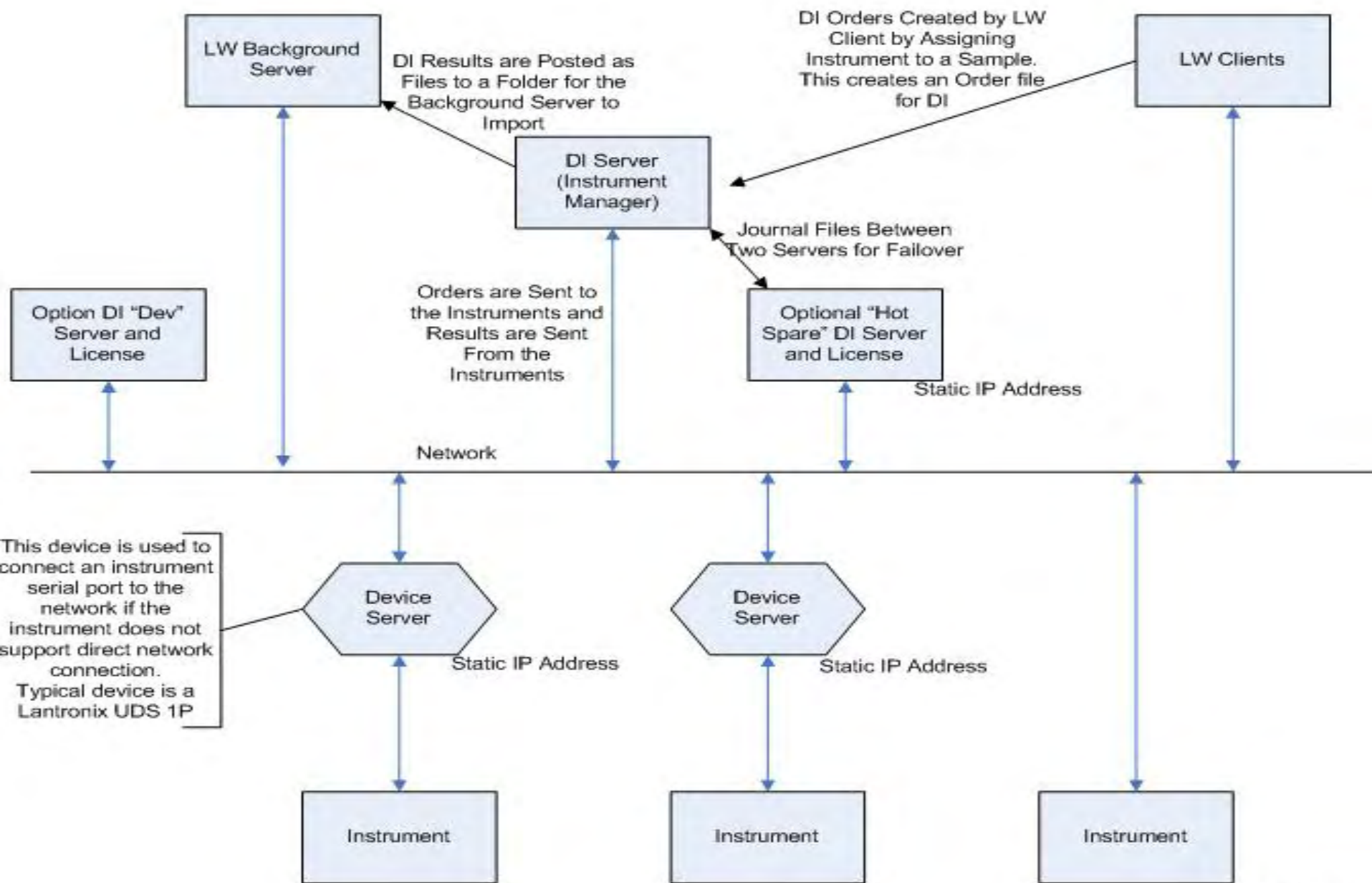
CASEIN/TYROSINE BIPLATES

Ordered by: ___CBT___ OTHER

Preparation of CASEIN:

1. ___ COMBINE in a 2 liter aspirator bottle: POWDERED SKIM MILK, AGAR and 500 mls DISTILLED WATER
2. ___ ADD a magnetic stirring bar
3. ___ DIS SOLVE by stirring
4. ___ COVER top of the bottle with gauze and paper
5. ___ PLACE a small piece of autoclave sensitive tape labeled "CAS" on cap

LabWare and Data Innovations



Static IP Address