



ProvLab's Transition to Cerner Millennium® Laboratory Information System

Communication to Clients and Stakeholders
November 1, 2013

Outline

- Key Messages
- Laboratory Reports
 - Sample reports
 - Report Delivery
 - ➤ Paper
 - > Electronic
- ER4 Web Portal
- Alberta Netcare and NWT HealthNet
- Laboratory Requisitions
- Miscellaneous

Key Messages

- On December 1, 2013 ProvLab will begin using the Cerner Millennium [®] Laboratory Information System (LIS).
- ProvLab's hard copy laboratory report will be in a new format.
- The laboratory report may contain test results from both ProvLab and Calgary Laboratory Services (CLS).
- Methods of report delivery may change. Whenever possible electronic report delivery, e.g. Sunrise Clinical Manager and Physician Electronic Medical Records (EMR's) will be implemented in the Calgary Zone.

Key Messages

- ProvLab's ER4 web portal will continue to be populated with laboratory reports and will include laboratory test results performed by CLS as well.
- The electronic display of ProvLab's test results in Alberta Netcare will change:
 - > The test name instead of the specimen type will display for look up.
 - If the result is abnormal the test name will be displayed in red text.
- ProvLab and CLS are sharing the LIS database and, because CLS maintains the patient demographic and provider database, physicians may receive calls from CLS requesting information to update records.

Laboratory Reports

- For physicians and clients receiving laboratory reports from Calgary Laboratory Services (CLS) the format will be familiar.
- Examples of reports follow on the next three slides.

ProvLab Microbiology Report Example



Calgary Laboratory Services (403) 770-3600

Provincial Laboratory for Public Health Calgary (403) 944-1200 Edmonton (780) 407-7121

PATIENT LAST, First

Chart ID:

Physician Name, MD AHS Location or Clinic Name

Address City AB T6G 2J2

Canada

ACB: DOB/Gender: 1991-05-14 Male Telephone: (000)000-0000

MRN: 45498361321

Encounter: CG002684082 El/ProvLab Study:

PHN:

Location: AHS Clinic or other location Ordering: Physician Name, MD

Microbiology Wound/Abscess

TEST: Wound Culture

SPECIMEN TYPE Swab SPECIMEN SOURCE Leg

COLLECTED: 2013/10/10 14:07 MDT RECEIVED: 2013/10/10 14:08 MDT ACCESSION: WN-13-7000220

Verified:2013/10/10 14:09 MDT

Verified:2013/10/10 14:11 MDT

GRAM STAIN REPORT

2+ Polymorphs 2+ Gram-positive cocci in clumps

2+ Staphylococcus aureus

SUSCEPTIBILITY RESULTS ***

Staphylococcus aureus

C=Critical

Interp

Cefazolin Clindamycin Cloxacillin 8 Trimethoprim-sulfamethoxazole 8

2013/10/10 14:09 MDT Wound Culture: Performed at ProvLab Edmonton

Report Legend

Cc:

@=Abnormal

*=Footnotes

#=Corrected

L=Low

H=High

Chart Request ID: 24364830 Print Date/Time: 2013-10-10 18:38

Accession #: WN-13-7000220

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ProvLab Prenatal Testing Report Example

Alberta Health
Services

Calgary Laboratory Services (403) 770-3600 Provincial Laboratory for Public Health Calgary (403) 944-1200 Edmonton (780) 407-7121

PATIENT LAST NAME, PATIENT FIRST

Chart ID: ABC123PRENATAL

Physican Name, MD AHS or Clinic Name Here 2, 12345 99 Street City Name AB T6G 2J2 Canada

MRN: 000088195

PHN:

ACB:

DOB/Gender: 1987-06-05 Female Telephone: (123)456-5432 Encounter: CG0023456789

El/ProvLab Study: 2013-7

Location: ABC Community Health Services Ordering: Ordering Physician Name, MD

Provincial Laboratory

Prenatal Testing

Prenatal Expected Date of Delivery
Prenatal Last Menstrual Period
2013-07-17
Prenatal Gravida
2
Prenatal Para
1
Prenatal Delivery Hospital
City Centre Hosp

Collected Date 2013-10-17
Collected Time 08:07 MDT

Units

Asterisk indicates comment below

Prenatal Hepatitis B Surface Antigen. Non Reactive

Prenatal Syphilis EIA Non Reactive Prenatal HIV Non Reactive Prenatal Rubella IgG. 75.000 * IU/mL

Prenatal Varicella Zoster IgG Positive

2013-10-17 08:07 MDT Prenatal Syphilis EIA:

Syphilis serology may be negative shortly after infection in patients with incubating or early primary syphilis.

If clinically indicated, submit a follow-up specimen in 2-4 weeks to rule a out recent infection.

2013-10-17 08:07 MDT Prenatal Rubella IgG.:

Rubella IgG antibody levels of >15 IU/mL are indicative of immunity.

2013-10-17 08:07 MDT Prenatal Varicella Zoster IgG:

Performed at ProvLab Edmonton

2013-10-17 08:07 MDT Prenatal Rubella IgG., Prenatal HIV, Prenatal Hepatitis B Surface Antigen., Prenatal Syphilis EIA:

Performed at ProvLab Edmonton

LEGEND: @=Abnormal
Cc: Consulting Physician Name.MD

C=Critical

*=Footnotes

#=Corrected

L=Low

H=Hiah

Comments

CC. Consuling Physician Name,ML

Chart Request ID: 24364987 Print Date/Time: 2013-10-17 11:53

Accession #: 13-290-700039

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ProvLab Influenza Testing Report Example

Alberta Health Services

MAII 04

Canada

Physician Name, MD Location or Clinic Name

Edmonton AB T6G 2B7

2 - 1234 56 St NW

Calgary Laboratory Services (403) 770-3600

Provincial Laboratory for Public Health Calgary (403) 944-1200 Edmonton (780) 407-7121

PATIENT LAST NAME, FIRST NAME

Chart ID:

MRN: RHRN2180022234 PHN: AB12348-5678

ACB:

DOB/Gender: 1971-02-02 Female Telephone: (123)123-5421 Encounter: 100041805646 El/ProvLab Study: 2013-14

Location: ABC Urgent Care Ordering: Physician Name, MD

Provincial Laboratory

Collected Date 2013-06-10 Collected Time 11:31 MDT

Units

@ indicates abnormal result

INFLUENZA A and B VIRUS PANEL * RESULTS Influenza A Virus (RNA) NAT Positive @ Influenza B Virus (RNA) NAT Negative Influenza A Virus (RNA) Hemagglutinin * subtype 3 (H3)

2013-06-10 11:31 MDT INFLUENZA A and B VIRUS PANEL

Order Information and Comments: Specimen: Swab - Nasal

2013-06-10 11:31 MDT Influenza A Virus (RNA) Hemagglutinin

Order Information and Comments:

Specimen: Swab - Nasal

2013-06-10 11:31 MDT INFLUENZA A and B VIRUS PANEL:

Method: This Nucleic Acid Test (NAT) was performed using primers and probes targeting the M gene of influenza A and the NS1 gene of influenza B (method developed at CDC (Atlanta)).

Disclaimer: This test was validated at ProvLab. It has not been cleared or approved by the US FDA or Health Canada and results should be interpreted in the clinical context.

2013-06-10 11:31 MDT Influenza A Virus (RNA) Hemagglutinin:

Method: Subtype was determined using primers and probes targeting the hemagglutinin (HA) gene of influenza A (method developed at CDC (Atlanta)) and/or the HA gene of influenza A (H1N1) pdm09 (see J.Clin.Micro 2009 47:3453-3460). Disclaimer: This test was validated at ProvLab. It has not been cleared or approved by the US FDA or Health Canada and results should be interpreted in the clinical context.

Accession #: 13-161-700011

#=Corrected

L=Low

H=High

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@=Abnormal *=Footnotes

Calgary Public Health MOH

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Chart Request ID: 24365023 Print Date/Time: 2013-06-12 13:46

Comments

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Laboratory Report Delivery

A summary of how laboratory reports will be delivered to physicians and clients:

- Walter McKenzie (U of A Hospital) charts print directly to printers on nursing units
- All other Edmonton area hospitals charts printed and delivered
- Edmonton physician's offices charts printed and delivered.
- All other provincial locations:
 - ER4 (ProvLab's web portal) or
 - Charts printed and delivered
- Northwest Territories and Nunavut faxing of reports

Electronic Result Delivery

- ProvLab has maintained and expanded electronic reporting capabilities.
- ProvLab will continue electronic reporting to:
 - E-Clinician Edmonton Zone ambulatory clinics
 - ProvLab's ER4 Web Portal

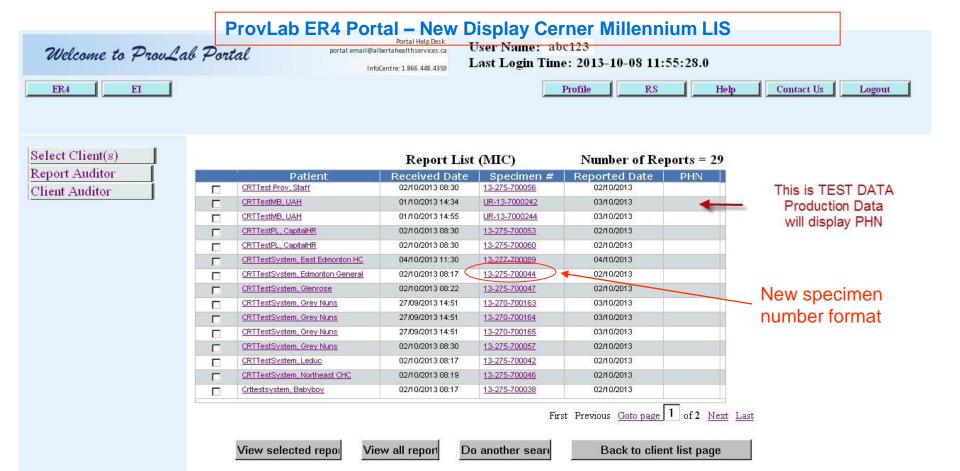
Electronic Result Delivery

ProvLab will be expanding electronic results delivery to the following applications:

- Sunrise Clinical Manager all hospitals in Calgary
- E-Lab Delivery Physician EMR applications in Calgary
- PARIS Calgary Renal
- ARIA Tom Baker Cancer Center
- eCritical Provincial ICU application Microbiology results only for UAH patients.

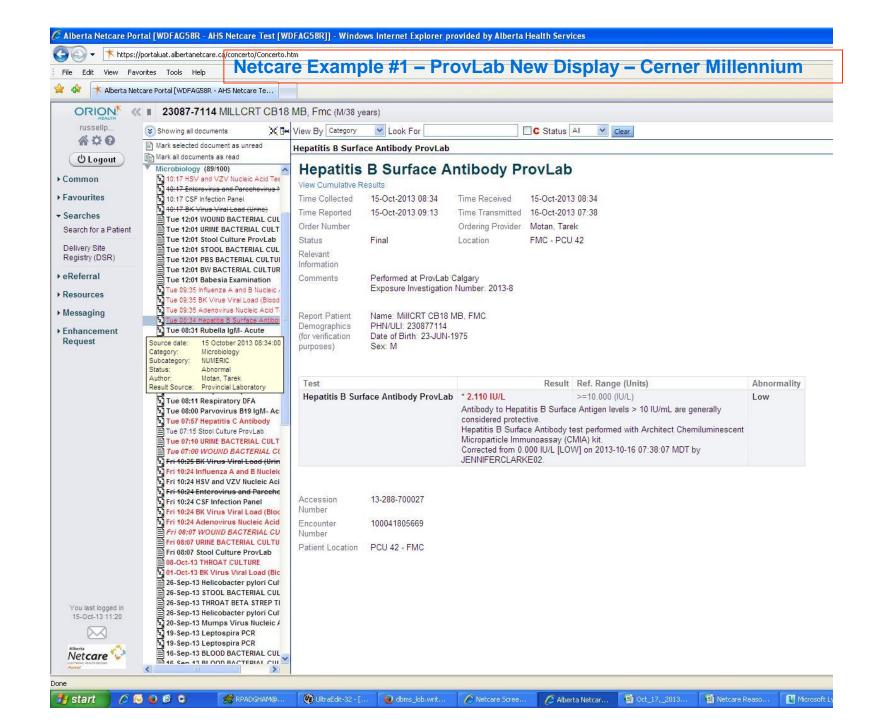
ProvLab Portal ER4

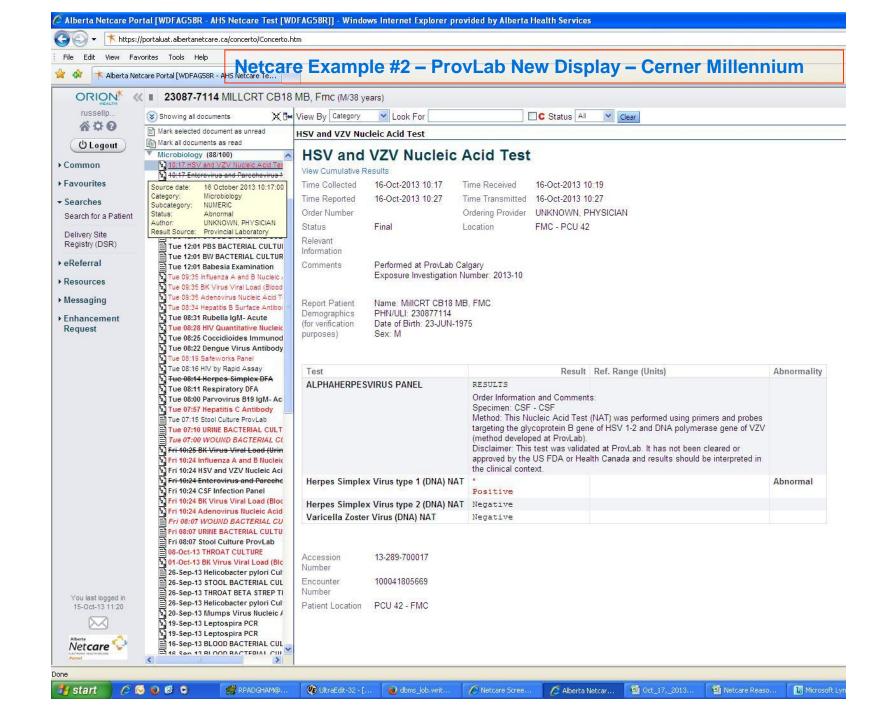
- ProvLab's ER4 Portal will continue to be populated with laboratory reports for current clients.
- Lab accession numbers/specimen numbers will be in new formats.
- The lab reports will be posted in pdf format.
- Testing performed by Calgary Laboratory Services will be included in ER4 folders along with ProvLab reports.
- Access to folders and the content remain unchanged.
- A screen shot of ER4 follows on the next slide.

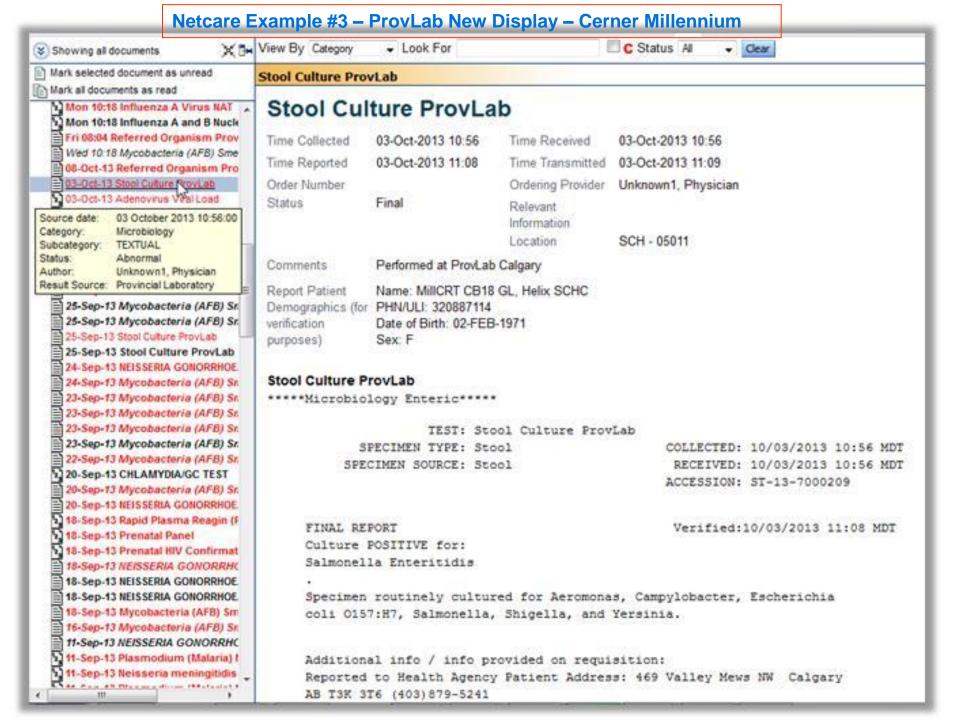


Alberta Netcare and NWT HealthNet

- The following applies to both portal applications:
 - All ProvLab results can be found in the Microbiology folder.
 - In the Clinical Document View (CDV tree) where dates and test names are listed, the name of ProvLab tests will now display.
 ProvLab tests currently display specimen type and not the name of the test.
 - Abnormal results will be indicated with the font of test name in red.
 - ProvLab results can be identified by hovering the cursor over the test name in the CDV tree. The result source will display as ProvLab.
- Screen shots follow on the next slide.







Requisitions

- ProvLab's requisitions remain unchanged.
- For physicians and clients in the Calgary Zone, the stamps used to identify physician's on CLS requisitions should now also be used on ProvLab's requisitions.

Miscellaneous

Naming conventions for agencies, clients and generic providers that will appear on laboratory reports have changed, e.g.:

- Nurse in Charge uses the acronym "NIC"
 - NIC, Name of location
 - e.g. NIC, Cape Dorset
- Hospital Laboratories
 - Lab, Name of Hospital
 - e.g. Lab, Bashaw General Hospital
- Clinics
 - Clinic, Name of Clinic
 - e.g. Clinic, Edmonton Royal Alexandra Hospital Perinatal

Questions

For questions or additional information please contact:

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