ALBERTA PRECISION LABORATORIES
Leaders in Laboratory Medicine

Laboratory Bulletin

DATE:	29 April 2024
TO:	APL POCT Program Users – Connect Care Launch 8
FROM:	Point of Care Testing (POCT), Alberta Precision Laboratories (APL)
RE:	**Connect Care Launch 8 Readiness – POCT Programs**

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

- With the Connect Care Launch 8 rollout, there will be changes to result reporting for POCT devices that may require workflow and clinical practice changes. A controlled connectivity rollover of POCT devices to the POCT AegisPOC data management middleware, and then into the provincial Clinical Information System (Epic), will begin on May 4, 2024.

How this will impact you

- As with all previous Connect Care Launches, legacy practice around ordering POCT and associated legacy workflows will be modified. Additional resources and information around POCT processes can be located at:
    - The *Connect Care Knowledge Library* located on the main *Connect Care* page on *AHS InSite.* (insite.ahs.ca > Teams > Connect Care > Resources > Knowledge Library in the Quick Reference box > Type "POCT" in the Filter)
    - The *APL Provincial POCT* page located on *AHS InSite*. (insite.ahs.ca > Teams > Lab Services > Our Services > Point of Care Testing > Connect Care & AegisPOC POCT Middleware)

Launch 8 Go-Live device workflows:

- Each program listed in the *Connected Devices* and *Unconnected Devices below can be found by following the Insite pathway to the main Connect Care APL POCT resource page:* (insite.ahs.ca > Teams > Lab Services > Our Services > Point of Care Testing > Connect Care & AegisPOC POCT Middleware>Connect Care Resources)

Connected Devices:

- POCT Device Epic Workflows
    - Roche Accu-Chek Inform II Glucose Meter
    - Siemens Clinitek Status Plus

Unconnected Devices:

- POCT Manual Entry Workflows
    - AegisPOC Launch Button Set Up for Manual Test Result
    - AegisPOC Manual Test Result Entry - Troubleshooting
    - AegisPOC Manual Test Result Entry - Drager Jaundice Meter
    - AegisPOC Manual Test Result Entry - Drugs of Abuse 6 Opioid Screen
    - AegisPOC Manual Test Result Entry - HIV and Syphilis Testing
    - AegisPOC Manual Test Result Entry - Manual Urine Dipstick
    - AegisPOC Manual Test Result Entry - Siemens Clinitek Status
    - AegisPOC Manual Test Result Entry - Urine Pregnancy

- Additional POCT Learning Resources
  - AHS My Learning Link course – "POCT- AegisPOC Manual Test Result Entry"
  - AHS My Learning Link course – "POCT- Connect Care POCT Requirements"
  - AHS POCT Playbook Work Package – located on the main *Connect Care* page on *AHS Insite:* (insite.ahs.ca > Teams > Connect Care > Resources > Knowledge Library in the Quick Reference box>Type "POCT" in the Filter)
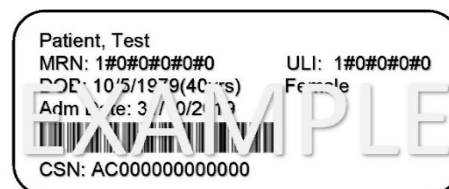
Actions Required

All healthcare professionals/providers must adhere to the following when performing POCT:

- Be aware of the requirements around APL POCT program intake and the need to be involved in an APL POCT supported program to have access to AegisPOC and Epic reporting.
- Refer to: (insite.ahs.ca > Teams > Lab Services > Our Services > Point of Care Testing > Provincial POCT Service Framework & Program Intake Policy) for:
  - Provincial POCT - Service Framework
  - Provincial POCT - Request for POCT Device Test and or Support Form

- Be a trained and certified clinical user of POCT
  - Completed POCT certification requirements to access or use all devices (manual or automated).
  - APL POCT will provide access to the POCT middleware system, AegisPOC, for result transmission or manual test result entry.
  - To determine if you are a certified user of a manual APL POCT supported program, review (insite.ahs.ca > Teams > Lab Services > Our Services > Point of Care Testing > Connect Care & AegisPOC POCT Middleware>Connect Care Resources > AegisPOC Manual Test Result Entry – Troubleshooting)

- Use your AHS employee ID barcode number to access POCT devices or to access the AegisPOC Manual Test Result Entry application.

  Use correct Epic patient identifier for POCT:
  - Use the correct encounter Epic-generated patient ID encounter (Contact Serial Number **[CSN]**).
  - Only the correct CSN will allow results to flow uninterrupted to the patient's Epic health record and to Netcare.
  - Additional Connect Care CSN Resources:
    - **Point of Care Testing (POCT) Work Package.** This can be found in the *Connect Care Knowledge Library* located on Insite on the main Connect Care page: (insite.ahs.ca/ConnectCare > Connect Care Support (Resources tab) > Knowledge Library)
    - **AHS My Learning Link course**: "POCT-Connect Care POCT Requirements."

Patient, Test
MRN: 1#0#0#0#0#0   ULI: 1#0#0#0#0#0
DOB: 10/5/1979(40 yrs)   Female
Adm Date: 3/10/2019   EXAMPLE
CSN: AC000000000000

See Appendix 1 for standardardization information of macroscopic urinalysis

Questions

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Approved by

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- Anna Fuezery, North Sector POCT Medical Lead, APL
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Appendix 1
Macroscopic urinalysis

- Standardization of reference intervals:

Analyte	Reference Interval	Units
Blood, Urine	Negative	Ery/µL
Clarity, Urine	Clear	
Color, Urine	Colorless, Yellow, Amber	
Glucose Urine	Negative	mmol/L
Ketones, Urine	Negative	mmol/L
Leukocyte Esterase, Urine	Negative	Leu/µL
Nitrites, Urine	Negative	-
pH, Urine	5.0-8.0	-
Protein, Urine	Negative	g/L
Specific Gravity	1.005-1.030	-

- Macroscopic Urinalysis Reporting
  With each Connect Care Launch, all POCT urinalysis patient test results must be reported into the Epic patient electronic medical record. This requirement applies to both **Manual** (dipstick, Clinitek Status) and **Automated** (Clinitek Status®+) testing. All reporting units for urinalysis testing in Epic have been standardized provincially to SI units, which provides a numerical result rather than using other reporting schemes (e.g., 1+/2+/3+, small/medium/large).

Urinalysis result reporting for Connect Care

Test component	Siemens Clinitek Status	Manual Dipstick Urinalysis	Connect Care (EPIC) Result Reporting
	Device result reporting	Test strip vial reporting	
Color	Yellow Amber Orange Red Brown Other	Colorless Yellow Amber Orange Red Brown Black Other	Colorless Yellow Amber Orange Red Brown Black Other
Clarity	Clear Slightly Cloudy Cloudy Turbid Other (do not use)	Clear Slightly Cloudy Cloudy Turbid	Clear Slightly Cloudy Cloudy Turbid
SG (Specific Gravity)	≤1.005 1.010 1.015 1.020 1.025 ≥1.030 Unable to interpret due to interfering substance	1.000 1.005 1.010 1.015 1.020 1.025 1.030 Unable to interpret due to interfering substance	<1.005 1.005 1.010 1.015 1.020 1.025 1.030 ≥1.030 Unable to interpret due to interfering substance

Test component	Siemens Clinitek Status	Manual Dipstick Urinalysis	Connect Care (EPIC) Result Reporting
	Device result reporting	Test strip vial reporting	
pH	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 ≥9.0	5.0 6.0 6.5 7.0 7.5 8.0 8.5	5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 ≥9.0
LEU (Leukocytes) Leu/µL	Negative Ca 15 Ca 70 Ca 125 Ca 500	Negative Trace (15) Small (+) (70) Moderate (++) (125) Large (+++) (500)	Negative 15 70 125 500
NIT (Nitrite)	Negative Positive	Negative Positive	Negative Positive
PRO (Protein)	Negative Trace 0.3 1.0 ≥3.0	Negative Trace 0.3 1.0 3.0 ≥20	Negative Trace 0.3 1.0 ≥3.0 ≥3.0
GLU (Glucose) mmol/L	Negative 5.5 14 28 ≥55	Negative 5.5 14 28 55 ≥111	Negative 5.5 14 28 ≥55 ≥55
KET (Ketone) mmol/L	Negative Trace 1.5 3.9 7.8 ≥15.6	Negative 0.5 1.5 4.0 8.0 16.0	Negative Trace 0.5 1.5 3.9 ≥7.8 ≥7.8 ≥7.8 ≥7.8
ERY (Erythrocytes; Blood) Ery/µL	Negative Trace-Lysed Trace-Intact Ca 25 Ca 80 Ca 200	Negative Non Hemolyzed Trace Non Hemolyzed Moderate Hemolyzed Trace Small (+) (25) Moderate (++) (80) Large (+++) (200)	Negative Trace Trace Trace 25 80 200