

DATE:	15 October 2024
TO:	APL POCT Program Users – Connect Care Launch 9
FROM:	Point of Care Testing (POCT), Alberta Precision Laboratories (APL)
RE:	Connect Care Launch 9 Readiness – POCT Programs

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

- With the Connect Care Launch 9 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 November 2, 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 9 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
 - Werfen GEM Premier 5000
 - Abbott i-STAT 1 and i-STAT Alinity
 - Radiometer ABL90 FLEX 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 - Manual Urine Dipstick
 - AegisPOC Manual Test Result Entry - Siemens Clinitek Status



- AegisPOC Manual Test Result Entry - Urine Pregnancy
- AegisPOC Manual Test Result Entry - Nova Glucose Meter
- AegisPOC *Manual Test Result Entry - PCHS Healthcare (in progress)*

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.

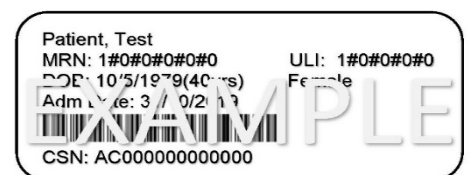
Refer to (insite.ahs.ca > Teams > Lab Services > Our Services > Point of Care Testing > Provincial POCT Service Framework & Program Intake Policy) for:

- Provincial POCT - Service Framework
- Provincial POCT - Request for POCT Device Test and or Support Form

Refer to (insite.ahs.ca > Teams > Lab Services > Our Services > Point of Care Testing > Provincial POCT Governance) for:

- Provincial POCT Clinical Policy (Policy PS-90)

- 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.”





See Appendix 1 for standardization information of macroscopic urinalysis

Questions

Zone	Calgary	Central	Edmonton	North	South
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Approved by

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- Dr. Janet Zhou, interim coverage for Dr. Anna Fuezery, North Sector POCT Medical Lead, APL
- Dr. Heather Paul, South Sector POCT Medical Lead, APL

Effective September 1, 2023, APL has become the sole provider of all public lab services in Alberta. As a result, community lab services formally provided by DynaLIFE Medical Labs will become the responsibility of Alberta Precision Labs (APL). This change impacts all zones.



Appendix 1

Macroscopic urinalysis

- Standardization of reference intervals:

Analyte	Reference Interval	Units
Blood, Urine	Negative	Ery/ μ L
Clarity, Urine	Clear	
Color, Urine	Colorless, Yellow, Amber	
Glucose Urine	Negative	mmol/L
Ketones, Urine	Negative	mmol/L
Leukocyte Esterase, Urine	Negative	Leu/ μ L
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)	\leq 1.005 1.010 1.015 1.020 1.025 \geq 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 \geq 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	5.0	5.0
	5.5		5.5
	6.0	6.0	6.0
	6.5	6.5	6.5
	7.0	7.0	7.0
	7.5	7.5	7.5
	8.0	8.0	8.0
	8.5 ≥9.0	8.5	8.5 ≥9.0
LEU (Leukocytes) Leu/μL	Negative	Negative	Negative
	Ca 15	Trace (15)	15
	Ca 70	Small (+) (70)	70
	Ca 125	Moderate (++) (125)	125
	Ca 500	Large (+++) (500)	500
NIT (Nitrite)	Negative	Negative	Negative
	Positive	Positive	Positive
PRO (Protein)	Negative	Negative	Negative
	Trace	Trace	Trace
	0.3	0.3	0.3
	1.0	1.0	1.0
	≥3.0	3.0 ≥20	≥3.0 ≥3.0
GLU (Glucose) mmol/L	Negative	Negative	Negative
	5.5	5.5	5.5
	14	14	14
	28	28	28
	≥55	55 ≥111	≥55 ≥55
KET (Ketone) mmol/L	Negative	Negative	Negative
	Trace		Trace
		0.5	0.5
	1.5	1.5	1.5
	3.9	4.0	3.9
	7.8		≥7.8
	≥15.6	8.0 16.0	≥7.8 ≥7.8 ≥7.8
ERY (Erythrocytes; Blood) Ery/μL	Negative	Negative	Negative
	Trace-Lysed	Non Hemolyzed Trace	Trace
		Non Hemolyzed Moderate	Trace
	Trace-Intact	Hemolyzed Trace	Trace
	Ca 25	Small (+) (25)	25
	Ca 80 Ca 200	Moderate (++) (80) Large (+++) (200)	80 200