



Date: November 30, 2020
To: All Physicians and Submitting Care Providers
From: Alberta Precision Laboratories
Re: Millennium Laboratory Report Format Changes for Paper, Fax and ER4 Reports
 December 6, 2020

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message:

- The Alberta Precision Laboratories computer system that supports Calgary Zone urban and rural lab, Provincial Laboratory for Public Health (Provlab) and all COVID reporting is being enhanced (upgraded) to update software and security processes.
- Effective December 6, 2020 Laboratory reports will have a revised look. Please see below.

Why this is important:

- The changes affect patient reports received via Fax, Paper, and the ER4 Provincial Laboratory for Public Health (Provlab) patient report viewing portal.
- These changes will not impact reports received via Electronic Medical Records such as NetCare or Physician Office Systems

Action Required:

- Awareness to the report format changes
- The following information may be best viewed printed and pages placed side by side.

What is changing? | Footnote Superscript Symbols Current State

• Current charting does not incorporate footnote symbols with results

Coagulation Studies
Laboratory Inquiries: Calgary & Area: 403 770-3600 Outside Calgary: 1-855-570-3600

Collected Date 2019-08-01
 Collected Time 12:28 MDT

	Units	Reference Range
INR	0.9	0.9-1.1
PTT *	28.6 second(s)	28.0-38.0

2019-08-01 12:28 MDT PTT:
 Note: new PTT reference range effective July 9, 2019.

Chemistry
Laboratory Inquiries: Calgary & Area: 403 770-3600 Outside Calgary: 1-855-570-3600

Routine Chemistry

Collected Date 2019-08-01
 Collected Time 12:28 MDT

	Units	Reference Range
Creatinine	698 H umol/L	50-120
Estimated GFR *	6 L* mL/min/1.73m2	>=60

2019-08-01 12:28 MDT Estimated GFR:
 Reduced muscle mass will lead to overestimation and increased muscle mass to underestimation of eGFR.

2019-08-01 12:28 MDT Estimated GFR:
 eGFR <60 mL/min/1.73m2 or urine Albumin/creatinine ratio >=3.00 mg/mmol for more than 3 months suggests chronic kidney disease. For information on diagnosis, management and referral see www.diagnosekd.ca.



What is changing? | Footnote Superscript Symbols Coming Dec 6, 2020

- **New Feature to help locate diagnostic comment information.**
- **Blending of footnote symbols with results includes the Critical “C”, High “H”, and Low “L” symbols.**
 - **This is an unchangeable Lab Information System vendor constraint.**
- **It is recommended that the symbols be reviewed carefully to identify these.**

_____ Coagulation Studies _____
Laboratory Inquiries: 1-877-868-6848

Routine Coagulation

Collected Date	2019-08-01		
Collected Time	12:28:00		
		Units	Reference Range
INR	0.9		0.9-1.1
PTT	28.6 ^{In1}	second(s)	28.0-38.0

Interpretive Data

In1: PTT
Note: new PTT reference range effective July 9, 2019.

Superscript footnote symbols for "Textual", "Result", "Order" comments and "Interpretive Data" increment numerically throughout the chart as they make reference to related text in that chart section

_____ Chemistry _____
Laboratory Inquiries: 1-877-868-6848

Routine Chemistry

Collected Date	2020-09-16	2019-08-01		
Collected Time	17:42:00	12:28:00		
			Units	Reference Range
Sodium	145	-	mmol/L	135-145
Creatinine	-	698 ^H	umol/L	50-120
Estimated GFR	-	6 ^L 6 ^L ^{In2} R1	mL/min/1.73m2	>=60

Interpretive Data

In2: Estimated GFR
Reduced muscle mass will lead to overestimation and increased muscle mass to underestimation of eGFR.

Result Comments

R1: Estimated GFR
eGFR <60 mL/min/1.73m2 or urine Albumin/creatinine ratio >=3.00 mg/mmol for more than 3 months suggests chronic kidney disease. For information on diagnosis, management and referral see www.diagnoseckd.ca.

The Legend in the footer of each page provides symbol clarification

LEGEND: @=Abnormal C=Critical *=Footnotes #=Corrected L=Low H=High
T=Textual Result R=Result Comment O=Order Comment In=Interpretive Data P=Performing Location
Specimen Source is BLOOD unless otherwise indicated

Cc:

n/a

ProvLab Study:

Report Request ID: 162951518

Print Date/Time: 2020-11-20 14:05

https://www.albertaprecisionlabs.ca/

n/a

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Additional Example of Footnote Symbols Showing Critical “C”, High “H”, and Low “L” and other symbols

Current State

Chemistry
Laboratory Inquiries: Calgary & Area: 403-770-3600 Outside Calgary: 1-855-570-3600

Routine Chemistry

Collected Date 2020-11-11
Collected Time 14:35 MST

		Units	Reference Range
Sodium	180 C#*	mmol/L	135-145
Potassium	1.5 C	mmol/L	3.5-5.0
Chloride	<60 L#*	mmol/L	98-112
Carbon Dioxide Content	12 L#	mmol/L	20-32
Anion Gap	14	mmol/L	4-16
Creatinine	698 H	umol/L	50-120
Estimated GFR *	6 L#*	mL/min/1.73m ²	>=60

2020-11-11 14:35 MST Estimated GFR:
Reduced muscle mass will lead to overestimation and increased muscle mass to underestimation of eGFR.

2020-11-11 14:35 MST EP:
This would be an order comment.

2020-11-11 14:35 MST Sodium:
Corrected from 178 on 2020-11-11 14:45 MST by RROUTLEDGE

2020-11-11 14:35 MST Sodium:
This would be considered a result comment for a Sodium (NA) result.

2020-11-11 14:35 MST Chloride:
Corrected from <60 on 2020-11-11 14:45 MST by RROUTLEDGE

2020-11-11 14:35 MST Chloride:
This would be a result comment for the Chloride test.

2020-11-11 14:35 MST Carbon Dioxide Content:
Corrected from 15 on 2020-11-11 14:45 MST by RROUTLEDGE

2020-11-11 14:35 MST Estimated GFR:
Corrected from 4 on 2020-11-11 14:45 MST by RROUTLEDGE

2020-11-11 14:35 MST Estimated GFR:
This is a result comment for the eGFR.

LEGEND:	@=Abnormal	C=Critical	*=Footnotes	#=Corrected	L=Low	H=High
Specimen source is BLOOD unless otherwise indicated						

Accession #: 20-316-700006

ProvLab Study:

Chart Request ID: 162948318

Print Date/Time: 2020-11-11 17:30

On Demand Print

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www.calgarylabservices.com
www.albertahealthservices.ca/lab



Coming Dec 6, 2020 Footnote Superscript Symbols Showing Critical "C", High "H", and Low "L"

Chemistry
Laboratory Inquiries: 1-877-868-6848

Routine Chemistry

Collected Date Collected Time	2020-11-11 14:35:00	Units	Reference Range
Sodium	180 ^{C O1 R1 #1}	mmol/L	135-145
Potassium	1.5 ^{C O1}	mmol/L	3.5-5.0
Chloride	<60 ^{L O1 R2 #2}	mmol/L	98-112
Carbon Dioxide Content	12 ^{L #3}	mmol/L	20-32
Anion Gap	14	mmol/L	4-16
Creatinine	698 ^H	umol/L	50-120
Estimated GFR	6 ^{L In1 R3 #4}	mL/min/1.73m2	>=60

Interpretive Data

In1: Estimated GFR

Reduced muscle mass will lead to overestimation and increased muscle mass to underestimation of eGFR.

Order Comments

O1: Electrolyte Panel

This would be an order comment.

Result Comments

R1: Sodium

This would be considered a result comment for a Sodium (NA) result.

R2: Chloride

This would be a result comment for the Chloride test.

R3: Estimated GFR

This is a result comment for the eGFR.

Corrected Results

#1: Sodium

Corrected from 178 mmol/L on 2020-11-11 14:45 by Routledge, Ryan
Result comment modified on 2020-11-11 14:43 by Routledge, Ryan
This would be considered a result comment for a Sodium (NA) result.
Result comment added on 2020-11-11 14:43 by Routledge, Ryan

#2: Chloride

Result comment modified on 2020-11-11 14:43 by Routledge, Ryan
This would be a result comment for the Chloride test.
Result comment added on 2020-11-11 14:43 by Routledge, Ryan

#3: Carbon Dioxide Content

Corrected from 15 mmol/L on 2020-11-11 14:45 by Routledge, Ryan

#4: Estimated GFR

Corrected from 4 mL/min/1.73m2 on 2020-11-11 14:45 by Routledge, Ryan
Result comment modified on 2020-11-11 14:43 by Routledge, Ryan
This is a result comment for the eGFR.
Result comment added on 2020-11-11 14:43 by Routledge, Ryan

LEGEND: @=Abnormal C=Critical *=Footnotes #=Corrected L=Low H=High
T=Textual Result R=Result Comment O=Order Comment In=Interpretive Data P=Performing Location
Specimen Source is **BLOOD** unless otherwise indicated

Cc:

ProvLab Study:

Report Request ID: 162951398

Accession #: 20-316-700006

Print Date/Time: 2020-11-20 13:31

n/a



Coming Dec 6, 2020 - Changes to Delivery Names on Physician Charts

• Currently Physician Name format: “First name Last Name and title”

**Medical
Laboratory Report**

Alberta Health Services Laboratories | Calgary Laboratory Services

Referral Testing Laboratory: Autoimmune Testing Laboratory

PIEM IIB Test, Dominic

Chart ID:

OHRIV

Jeffrey CE Way, MD

High River Hospital Surgical Unit
560 9 Ave SW
High River AB T1V 1B3
Canada

MRN: RHRN2180064772
PHN: AB65187-5214
ACB:
DOB/Gender: 1943-12-22 Male
Telephone: (403)823-4600
Encounter: 100071808875

Location: FMC-36
Attending: Eugene J Adamiak, MD

• As of Dec 6, 2020 Physician Name format will be : “Last Name, First Name, Physician Location”

**Medical
Laboratory Report**

Alberta Health Services | Alberta Precision Laboratories

Referral Testing Laboratory: Autoimmune Testing Laboratory

PIEM IIB Test, Dominic

Chart ID:

n/a OHRIV
Way,Jeffrey CE,MD -High River Gen Hosp
High River Hospital Surgical Unit
560 9 Ave SW
High River, AB T1V 1B3
Canada

Name Format changed to last name, first name, clinician location. Vendor update that may help with filing

MRN:RHRN2180064772
PHN: AB65187-5214
ACB:
DOB/Gender: 12/22/1943 Male
Telephone: (403)823-4600
Encounter: 100071808875

Location: FMC-36
Attending: Adamiak,Eugene J,MD



- **What do the “n/a’s” reference?**
- **“n/a’s” are placeholders for data that does not apply to the type of chart printed.**
- **They will commonly appear on manually printed charts.**
- **For Example: Below is a manual chart header and footer. Note the “n/a’s”**
- **Header**

Medical Alberta Health Services | Alberta Precision Laboratories
 Laboratory Report Referral Testing Laboratory: Autoimmune Testing Laboratory

MilIMCK XR, Thirteen

n/a RD12A Chart ID:
 Oryschak, Allan Francis, MD -RGH Pathology MRN: 001060514
 RGH Pathology 4FI CLS AP Lab PHN:
 7007 14 St SW ACB:
 Calgary, AB T2V 1P9 DOB/Gender: 1995-02-01 Male
 Canada Telephone: 0000000000
 Encounter: CG033079825
 ProvLab EI:
 Location: Calgary Zone Calgary
 Ordering: Naugler, Christopher T, MD -DSC Pathology

• **Footer**

LEGEND: @=Abnormal C=Critical *=Footnotes #=Corrected L=Low H=High
 T=Textual Result R=Result Comment O=Order Comment In=Interpretive Data P=Performing Location
 Specimen Source is BLOOD unless otherwise indicated

Cc: Oryschak, Allan Francis, MD -RGH Pathology

ProvLab Study:
 Report Request ID: 197907824 Accession #: 20-233-500011
 Print Date/Time: 2020-10-28 23:47
<https://www.albertaprecisionlabs.ca/>

n/a

- **This is the same chart as a scheduled chart printing – note the “n/a” is populated with data applicable to the type of chart printed.**

Medical Alberta Health Services | Alberta Precision Laboratories
 Laboratory Report Referral Testing Laboratory: Autoimmune Testing Laboratory

MilIMCK XR, Thirteen

RD12A RD12A Chart ID:
 Oryschak, Allan Francis, MD -RGH Pathology MRN: 001060514
 RGH Pathology 4FI CLS AP Lab PHN:
 7007 14 St SW ACB:
 Calgary, AB T2V 1P9 DOB/Gender: 1995-02-01 Male
 Canada Telephone: 0000000000
 Encounter: CG033079825
 ProvLab EI:
 Location: Calgary Zone Calgary
 Ordering: Naugler, Christopher T, MD -DSC Pathology

LEGEND: @=Abnormal C=Critical *=Footnotes #=Corrected L=Low H=High
 T=Textual Result R=Result Comment O=Order Comment In=Interpretive Data P=Performing Location
 Specimen Source is BLOOD unless otherwise indicated

Cc: Oryschak, Allan Francis, MD -RGH Pathology

ProvLab Study:
 Report Request ID: 197907784 Accession #: 20-233-500011
 Print Date/Time: 2020-10-27 01:05
<https://www.albertaprecisionlabs.ca/>

XR Lab: Provider Cc: Permanent
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Inquiries and feedback may be directed to:

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- IT Service Desk & Solution Centre 1-877-311-4300 <mailto: servicedesk.south@ahs.ca>

This bulletin has been reviewed and approved by:

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