

North Zone Measles Specimen Collection Pathways

Information Sheet

Issued by the AHS Emergency Coordination Centre (ECC); for more information, contact: PCH.ZEOCNorth@ahs.ca

Introduction

This document provides information for healthcare providers to determine the appropriate pathway for measles specimen collection in North Zone.

Please note:

- The ordering physician is required to follow-up with patients to communicate test results
- While awaiting results, please advise outpatients to isolate at home and ensure inpatients are on airborne precautions.

Part 1: Symptomatic

Patient Assessment

(Health Link/Virtual MD, Primary Care, physician, etc.)

Scenario A: Symptomatic

(suspect or probable)*

* For patient management refer to the appropriate [Care Provider Pathway](#)

Order lab tests according to clinical need AND specimen collection availability

- See Box 1 Specimen Collection Availability by Site/Service
- Urine or NP swab for measles NAT/PCR is sufficient for diagnosis in most cases

Weekdays

Weekends / Holidays

CDC to contact

Area Manager for PHN testing or APL/MIH

Options:

- PHN home collection
- Physician collection if a patient is already in clinic
- APL Mobile Collection
- AHS Mobile Integrated Health (MIH)
- Emergency room/acute care as last resort or if they need clinical assessment

CDC to contact

PHOC/MOH for PHN testing or MIH

Options:

- PHN home collection depending on weekend staffing availability
- AHS Mobile Integrated Health (MIH)
- Emergency room/acute care as last resort or if they need clinical assessment.

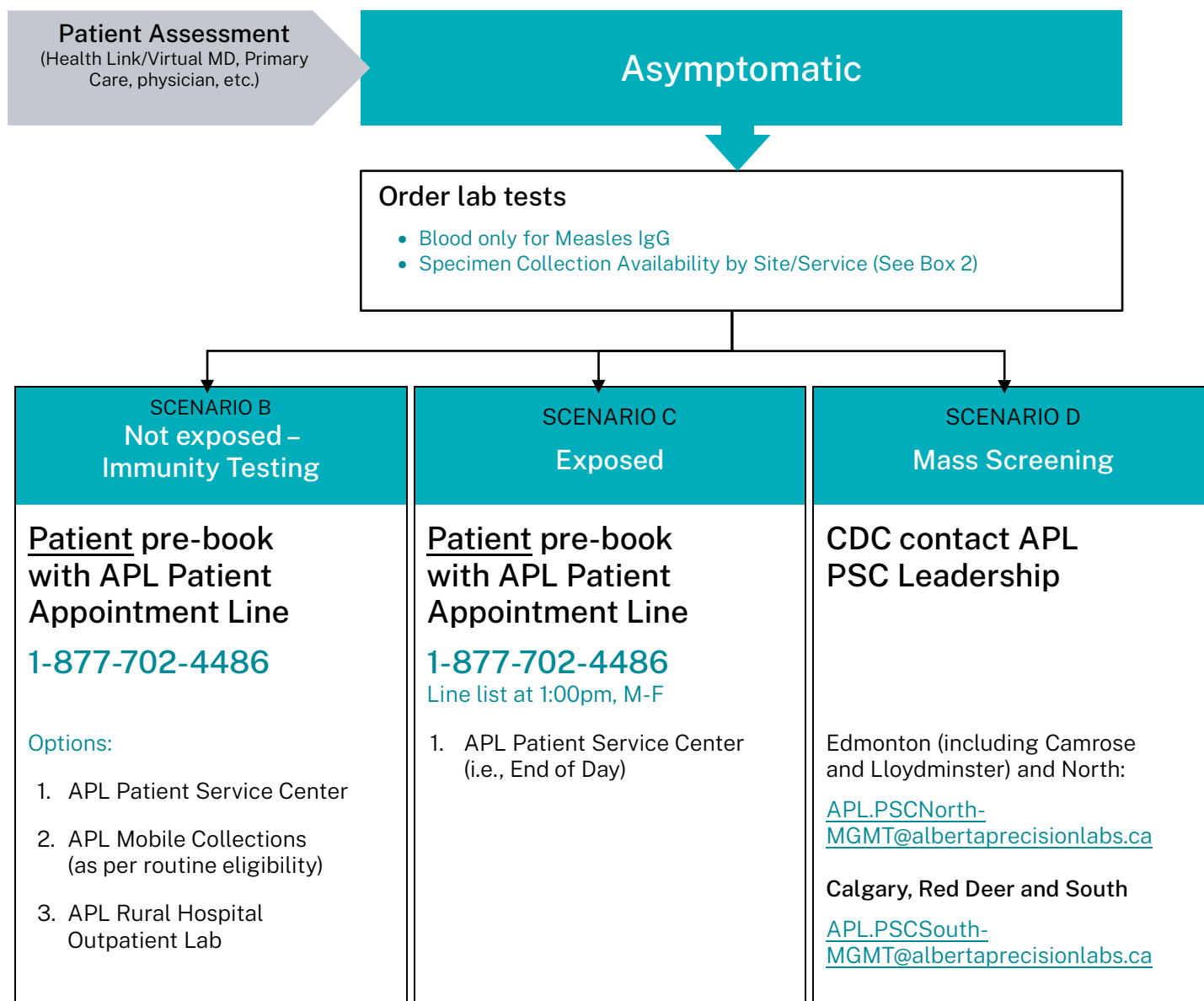
Part 1: Symptomatic Continued

Box 1: Specimen Collection Availability by Site/Service

(See [Lab Bulletin](#) for additional details about lab testing)

Public Health Nursing (Home Collection)	<ul style="list-style-type: none"> NP/throat swab NAT/PCR Blood for Measles IgM and IgG (depending on PHN ability)
Physician Collection in Outpatient Clinic	<ul style="list-style-type: none"> NP/throat swab NAT/PCR
APL Mobile Collection Service	<p>Edmonton, Calgary, Fort McMurray, Grande Prairie, Camrose, Red Deer, Lloydminster, Brooks, Lethbridge, Medicine Hat</p> <ul style="list-style-type: none"> Blood for Measles IgM and IgG (no age restriction) Urine for Measles NAT/PCR NP/throat swab CANNOT be collected
APL Rural Hospital Outpatient Lab	<p>All Rural Hospitals</p> <ul style="list-style-type: none"> Urine for Measles NAT/PCR Blood for Measles IgM and IgG can only be collected by special arrangement with APL/AHS IPC/Facility NP/throat swab CANNOT be collected
AHS Mobile Integrated Health (MIH)	<p>MIH catchment areas</p> <ul style="list-style-type: none"> ≥ 14 years: Blood for IgM and IgG, Urine and NP/throat swab for Measles NAT < 14 years: NP/throat swab for Measles NAT/PCR. Blood CANNOT be collected.

Part 2: Asymptomatic



Part 2: Asymptomatic Continued

Box 2: Specimen Collection Availability by Site/Service

(See [Lab Bulletin](#) for additional details about lab testing)

APL Patient Service Center	<ul style="list-style-type: none"> Blood for Measles IgG (no age restriction) NP/throat swab cannot be collected
APL Mobile Collection Service	<p>Edmonton, Calgary, Fort McMurray, Grande Prairie, Camrose, Red Deer, Lloydminster, Brooks, Lethbridge, Medicine Hat</p> <ul style="list-style-type: none"> Blood for Measles IgG (no age restriction) NP/throat swab cannot be collected
APL Rural Hospital Outpatient Lab	<ul style="list-style-type: none"> Blood for Measles IgG can only be collected by special arrangement with APL/AHS IPC/Facility NP/throat swab cannot be collected See Appendix A for list of appropriate lab collection locations by North Zone community
AHS Mobile Integrated Health (MIH)	<p>MIH catchment areas</p> <ul style="list-style-type: none"> ≥ 14 years: Blood for Measles IgG < 14 years: Blood cannot be collected (refer to ordering physician for direction)

APL Specimen collection pathway – Measles

(See [Lab Bulletin](#) for additional details about lab testing)

Scenario	How to book / arrange	Service
A. Symptomatic (suspect or probable)	Weekday Patient must Pre-Book with APL Patient Appointment Line ³ 1-877-702-4486	APL mobile collection team⁵ <ul style="list-style-type: none"> Blood for Measles IgM and IgG (no age restriction) Urine for Measles NAT/PCR NP/throat swab cannot be collected APL Rural Hospital Outpatient Lab <ul style="list-style-type: none"> Urine for Measles NAT/PCR Blood for Measles IgM and IgG can only be collected by special arrangement with APL/AHS IPC/Facility NP/throat swab CANNOT be collected AHS Mobile Integrated Health (MIH) (see MIH catchment areas) <ul style="list-style-type: none"> ≥ 14 years: Blood for IgM and IgG, Urine and NP/throat swab Measle NAT < 14 years: NP/throat swab for Measles NAT/PCR. Blood cannot be collected
	Weekend/Stat Provider/CDC contact APL Mobile or MIH - Urgent only	
	Mobile Collections Office⁴ Edmonton: 780-453-9440 Calgary: 403-770-3351	
	AHS Mobile Integrated Health 1-855-491-5868	
B. Immunity testing	Patient must Pre-Book with APL Patient Appointment Line ³ 1-877-702-4486 Walk-ins are discouraged	APL Patient Service Center⁵ <ul style="list-style-type: none"> Blood for Measles IgG (no age restriction) APL mobile collection team⁵ (as per routine eligibility) <ul style="list-style-type: none"> Blood for Measles IgG (no age restriction) APL Rural Hospital Outpatient Lab <ul style="list-style-type: none"> Blood for Measles IgG (no age restriction)
C. Asymptomatic exposed (regardless of time from exposure)	APL appointment line ³ 1-877-702-4486	APL Patient Service Center⁵ (end of day appointment) <ul style="list-style-type: none"> Blood for Measles IgG (no age restriction) APL mobile collection team⁵ (as per routine eligibility or public health indication) <ul style="list-style-type: none"> Blood for Measles IgG (no age restriction) APL Rural Hospital Outpatient Lab <ul style="list-style-type: none"> Blood for Measles IgG can only be collected by special arrangement with APL/AHS IPC/Facility AHS Mobile Integrated Health (MIH) (see MIH catchment areas) <ul style="list-style-type: none"> ≥ 14 years: Blood for Measles IgG < 14 years: Blood cannot be collected (refer to ordering physician for direction)
D. Asymptomatic exposed – mass screening / “measles clinic”	CDC contacts APL PSC Leadership (not patients) Edmonton (including Camrose and Lloydminster) and North: Email: APL.PSCNorth-MGMT@albertaprecisionlabs.ca Calgary, Red Deer and South: Email: APL.PSCSouth-MGMT@albertaprecisionlabs.ca	APL Patient Service Center⁵ <ul style="list-style-type: none"> Blood for Measles IgG (no age restriction) APL Rural Hospital Outpatient Lab <ul style="list-style-type: none"> Blood for Measles IgG can only be collected by special arrangement with APL/AHS IPC/Facility

Notes

1. **APL can only collect blood and urine samples**
2. No age restriction for collection of samples

3. APL Appointment Line hours: Monday to Friday 7 a.m. to 5 p.m. Closed Saturday, Sunday, and statutory holidays
4. Mobile Collection Office Saturday, Sunday and stat holiday hours: 7 a.m. to 3 p.m.

5. Communities served by APL PSC / Mobile Collections: Edmonton, Calgary, Fort McMurray, Grande Prairie, Camrose, Red Deer, Lloydminster, Brooks, Lethbridge, Medicine Hat

Appendix A: North Zone Locations and Contact Information

Name	Document	Notes
Zone Map	North Zone Service Areas Map	
Isolation locations for lab collection and treatment	See Appendix B: ZEOC North Zone Isolation	Spreadsheet captures available locations for areas 1-8. Areas 9 and 10 have Patient Service Centers.
Mobile Integrated Health Catchment Areas	https://www.albertahealthservices.ca/assets/info/ems/if-ems-mih-catchment-area.pdf	80km radius around Grande Prairie and Peace River 50km radius around Edmonton
MOH on Call and Public Health on Call	Grande Prairie Regional Hospital Switchboard (825 412-4000)	Contact through usual on call process via GPRH switchboard. Calls to the MOH on Call during business hours will be redirected to CDC.

Appendix B: ZEOC North Zone Isolation

Area	Community	Lab isolation collection area	Emergency Dept isolation room	IVIG administration room	Within Mobile Integrate Health Catchment Area? (Y/N)
		Description: Asymptomatic Client Exposed to a Confirmed Measles Case. Coming into Lab with Serology Req from CDC/MOH	Description: Symptomatic Suspected Measles Case. Presenting to a Healthcare Facility (ERD/ Ambulatory Care) Description: Symptomatic Clients/Patients being sent for Measles NAT "Rule-Out" Testing from Community (Doctors Office, Clinic, Virtual Consult, etc)	Description: Asymptomatic Client Exposed to a Confirmed Measles Case. Coming to facility as directed by CDC/MOH for Prophylaxis (IVIG/IMIG)	
1	Fort Vermillion	No suitable lab space - use room beside ambulance bay	Identified. Room in ERD with 4 walls and closing door. Attached Washroom	No - Located in High Level	N
	High Level	Lab ECG room	Identified. Room in ERD with 4 walls and closing door. Attached Washroom	Yes - Will utilize Isolation Room in Acute Care and follow NZ IVIG Process.	N
	La Crete	No suitable space within the facility or adequate staffing - redirect to Fort Vermillion		No - Located in High Level	N
2	Fairview	No suitable Lab space - use exam room 5 in ED	Use Exam Room 5 in ERD	Airborne Isolation Room in Acute Care - Room 35	Y
	Grimshaw/Berwyn	No suitable space within the facility - redirect to Peace River	ER Isolation Room	No - Send Cases to Peace River	Y
	Manning	Lab collection room	Isolation Room - OR Recovery Area	Airborne Isolation Room in Acute Care - 606	N
	Peace River	Lab collection room	Exam Room C	Exam Room D	Y
3	Beaverlodge	Lab collection room	Identified. Room in ERD with 4 walls and closing door. No Bathroom. Additionally, Lab Collection may utilize MIH	No- Send to Grande Prairie or Utilize MIH	Y
	Fox Creek	No suitable Lab space - use Observation room within the facility	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	No - Located in Valleyview	N
	Grande Cache	No suitable Lab space - facility space to be determined			N
	Spirit River	No suitable Lab space - use exam room in ED	Identified. Room in ERD with 4 walls and closing door. No Bathroom. (Additionally, Site has AIR on Inpatient Unit which can be utilized)	Inpatient AIR.	Y
	Valleyview	Lab ECG room	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	Inpatient AIR.	N
4	Edson	Lab ECG room	ERD AIR	ERD AIR	N
	Hinton	Lab collection room	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	No- Located in Edson	N
	Jasper	No suitable Lab space - use exam room in ED	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	No- Located in Edson	N

Area	Community	Lab isolation collection area	Emergency Dept isolation room	IVIG administration room	Within Mobile Integrate Health Catchment Area? (Y/N)
5	Mayerthorpe	Lab ECG room	Identified. Room 93. Room with 4 walls and a closing door.	No- Located in Edson	N
	Whitecourt	Lab ECG room	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	No- Located in Edson	N
	Barrhead	No suitable Lab space - use room in ED	Identified. Room in ERD with 4 walls and closing door. No Bathroom. Alternatively, there is a AIR in Acute Care which can also be utilized.	Yes - Will utilize AIR in Acute Care and follow NZ IVIG Process.	N
	Onoway	NA	NA	NA	N
	Swan Hills	Lab ECG room		No- Located in Barrhead or Westlock	N
6	Westlock	No suitable Lab space - use Treatment room in ED	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	Yes- Barrhead preferred option, but could safely administer.	N
	High Prairie	Lab ECG room	AIR located in ERD.	AIR located in ERD or Acute Care.	N
	McLennan	Lab ECG room	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	No- Located in High Prairie, or Peace River. Or utilize MIH.	Y
	Slave Lake	Lab collection room	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	TBD. Could redirect to High Prairie.	N
	Wabasca	No suitable Lab space - use secure Observation room in ED	Identified. Secure Observation Room in ERD/Acute.	TBD. Could redirect to High Prairie.	N
7	Athabasca	Lab Holter room	Identified. ERD Rooms 417 & 419 with attached Bathroom.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
	Boyle	Lab ECG room	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
	Lac La Biche	No suitable Lab space - use Exam room #2 in ED	Identified. Exam Room 2 in ERD.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
	Redwater	NA	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
	Smoky Lake	Lab ECG room	Identified. Room in ERD with 4 walls and closing door. No Bathroom.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
	Vilna	NA	NA	NA	N
8	Bonnyville-Covenant	Lab collection room	Identified. Multiple appropriate rooms in ERD.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
	Cold Lake	Lab collection room	Identified. Multiple appropriate rooms in ERD.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N

Area	Community	Lab isolation collection area	Emergency Dept isolation room	IVIG administration room	Within Mobile Integrate Health Catchment Area? (Y/N)
	Elk Point	No suitable Lab space - use Ambulance Bay room	Identified. Multiple appropriate rooms in ERD.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
	St. Paul	Lab collection room	Identified. Multiple appropriate rooms in ERD.	Utilize identified room in ERD. (No Negative Pressure Room available in area)	N
9	Grande Prairie	APL Mobile Collections Team	AIR located in ERD.	AIR located in ERD.	Y
10	Anzac	NA	NA	NA	N
	Conklin	NA	NA	NA	N
	Fort McKay	NA	NA	NA	N
	Fort McMurray	APL Mobile Collections Team	Identified.	Yes. Process in place.	N