

LABORATORY TESTING SCHEDULE & REQUISITIONS FOR ADULTS LIVING WITH HIV IN MANITOBA: QUICK REFERENCE FOR PRIMARY CARE PROVIDERS

Laboratory Testing Schedule for Baseline and Monitoring Investigations of Adults Living with HIV in Manitoba

Laboratory test	Baseline	1 month post ART- initiation, re-initiation or change in ART	Every 3-6 months	Annually
HIV ½ Ag/Ab Combo	✓			
HAV IgG (immunity), HBcAb (total), HBsAg, HBsAb (immunity)	✓			✓ ¹
HCV Ab or HCV PCR/QUANT if known to be HCV Ab positive	✓			✓ ²
Toxoplasma IgG, CMV IgG, Varicella IgG	✓			
Syphilis, gonorrhea and chlamydia, trichomoniasis screen if indicated	✓		✓ ^{3,4}	✓ ⁵
IGRA ⁶ , chest x-ray	✓ ⁶			
HIV viral load	✓ ⁷	✓ ⁷	✓ ⁷	
HIV genotype/drug resistance	✓			
HIV INSTI resistance	✓			
CD3, CD4, CD8 ⁸	✓ ⁸	✓ ⁸	✓ ^{7,8,9}	✓ ^{8,9}
HLA-B*5701	✓			
CBC with differential	✓	✓	✓	✓
ALT, AST, ALP, GGT, total bilirubin, direct bilirubin, LDH, albumin, Na, K, Cl, CO2, Ca, Ca corr, albumin, phosphate, urea, creatinine	✓	✓	✓	
INR	✓			
U/A, UACR	✓	✓	✓	✓
Lipid profile	✓			✓ ¹⁰
HgbA1c, glucose	✓			✓ ¹⁰
TST	✓ ⁷			✓ ¹¹
Pap test ¹²	✓			✓ ¹²
Pregnancy test ¹³	✓		✓	

1. Repeat HBV screening annually if non-immune and no chronic infection.
2. Repeat HCV screening annually if high risk (e.g active IDU).
3. Repeat syphilis screening after syphilis treatment, every 3 months for 1 year and at 24 months, then move to annually.
4. If high risk (multiple partners, recurrent STIs, IDU) offer complete STI screening every 3-6 months.
5. Offer annual STI screening for all people living with PLHIV.
6. IGRA must be received by lab within 4 hours of blood draw, **Monday to Thursday a.m. only**. Otherwise, screen at baseline with TST.
7. Every 3 to 6 months until suppressed for 1 year and then extend to every 6 months.
8. Must be received at lab **within 24-48 hours of blood draw**.

9. If consistently suppressed for over 2 years and CD4 cell count >500 cells/mm³ can consider annual CD4 count.
10. Can individualize and move to less frequent CVD risk assessment as per general population recommendations if low risk for CVD, consider continuing with annual screening if previous abnormal, other CVD risk factors, strong family history, or on medication with high risk metabolic side effects. Consider discontinuing lipid screening if on a statin.
11. Repeat annually if ongoing risks for TB exposure.
12. Annually for all people with a cervix between 21 and 69 years of age. After 3 consecutive normal Pap test results, screening interval can be extended to 3 years if client CD4 count is >500 cells/mm³. Any abnormal Pap test results should be referred for colposcopy (including low-grade abnormalities).
13. For all persons of childbearing potential.

For more information on caring for adults living with HIV in Manitoba, see the *Manitoba HIV Program Primary Care Recommendations for the Management of Adults Living with HIV in Manitoba* at www.mbHIV.ca

HIV ANTIBODY TEST / HIV 1/2 Ag/Ab Combo

What is it for?	Diagnoses a person with HIV. Repeat testing not necessary if a person has already tested positive for HIV in Manitoba.
When is it used?	When a person's HIV status is unknown and according to the <i>Manitoba HIV Program HIV Testing Guidelines</i> .
What requisition is used?	Cadham Provincial Laboratory General Requisition
Which blood tubes are used?	Red or red/yellow top tube. Sample requires 1 full 9mL serum separator tube (Z serum sep clot activator).



Important information when completing this requisition:

- 1 Ensure that all related clinical information is entered completely into this section.
- 2 Specimen type is "serum"
- 3 Check off "HIV 1/2 Ag/Ab Combo."

See [Cadham Provincial Laboratory Guide to Services](#) for more information on sampling.

For CPL Lab Use Only

Cadham Provincial Laboratory **Manitoba Health**

General Requisition


ONLY ONE SPECIMEN TYPE PER REQUISITION
All areas of the requisition must be completed (please print clearly)
See back for requisition/specimen instructions

Cadham Provincial Laboratory Tel: (204) 945-6123
P.O. Box 8450 Fax: (204) 788-4770
Winnipeg, MB R3C 3Y1 E-mail: cadham@gov.mb.ca
Website: www.gov.mb.ca/health/publichealth/cpl

<p>RELEVANT CLINICAL INFORMATION</p> <p>Outbreak Code: <input type="checkbox"/> In-Patient <input type="checkbox"/> Out-Patient</p> <p>Reason for Test: <input type="checkbox"/> Immigration <input type="checkbox"/> Occupational <input type="checkbox"/> Other: <input type="checkbox"/> Needlestick <input type="checkbox"/> Sexual Assault <input type="checkbox"/> Pregnant <input type="checkbox"/> Immune Status</p> <p>Relevant History: <input type="checkbox"/> Autopsy <input type="checkbox"/> Diabetes <input type="checkbox"/> Food Borne Illness <input type="checkbox"/> Cancer/Chemotherapy <input type="checkbox"/> Dialysis <input type="checkbox"/> Transplant</p> <p>Signs and Symptoms: <input type="checkbox"/> Bronchiolitis <input type="checkbox"/> Fever <input type="checkbox"/> Lymphadenopathy <input type="checkbox"/> Conjunctivitis <input type="checkbox"/> Gastrointestinal <input type="checkbox"/> Pneumonia <input type="checkbox"/> Diarrhea <input type="checkbox"/> Influenza-Like Illness <input type="checkbox"/> Rash <input type="checkbox"/> Encephalitis <input type="checkbox"/> Jaundice <input type="checkbox"/> Other: _____</p> <p>Travel/Treatment History:</p>	<p>PATIENT INFORMATION</p> <p>PHIN: _____ MB Health Reg. # _____</p> <p>Alternate ID: <input type="checkbox"/> RCMP# <input type="checkbox"/> Other Provinces/Territories <input type="checkbox"/> Military # <input type="checkbox"/> Other: _____</p> <p>Uninsured: <input type="checkbox"/> Cheque/Money Order enclosed <input type="checkbox"/> Payment to follow</p> <p>Date of Birth: YYYYMMDD Sex: _____ Chart/Clinic/Lab # _____</p> <p>Patient Legal Last Name _____ First Name _____</p> <p>Street or Other (e.g., General Delivery) _____ Phone # _____</p> <p>City/Municipality/First Nations Reserve _____ Postal Code _____</p>																
<p>2</p> <p>SPECIMEN INFORMATION</p> <p>Specimen Type: Serum Specimen Source: _____</p> <p>Collected at: _____ Date/Time: _____</p> <p>COPY REPORT TO:</p> <p>Other Practitioner Last Name First name _____ , _____</p> <p>Facility _____ Secure Fax # _____</p>	<p>RETURN REPORT TO:</p> <p>Ordering Practitioner Last Name First name Initial(s) _____ , _____</p> <p>Facility _____</p> <p>Facility Address _____ City/Town _____</p> <p>Postal Code _____ Phone # _____ Secure Fax # _____</p> <p>After Hours Contact # for Critical Results: _____</p>																
<p>3</p> <p>SEROLOGY</p> <p>Serology Test Panels (see #1 over) <input type="checkbox"/> STBBI Panel <input type="checkbox"/> Prenatal Panel <input type="checkbox"/> Post Exposure: Source Panel (1, 3) <input type="checkbox"/> Prenatal HIV OPT OUT (2) <input type="checkbox"/> Post Exposure: Exposed Panel (1)</p> <p>HIV (4) <input checked="" type="checkbox"/> HIV 1/2 Ag/Ab Combo <input type="checkbox"/> Syphilis Screen</p> <p>Hepatitis <input type="checkbox"/> HAV IgG (Immunity) <input type="checkbox"/> HBcAb (Total) <input type="checkbox"/> HBsAg <input type="checkbox"/> HAV IgM (acute HAV infection) <input type="checkbox"/> HBsAb (Immunity) <input type="checkbox"/> HCV Ab</p> <p>Nucleic Acid (Plasma Only) (6) <input type="checkbox"/> WNV PCR <input type="checkbox"/> HCV Genotyping <input type="checkbox"/> HBV PCR/QUANT <input type="checkbox"/> HCV PCR/QUANT</p> <p>Miscellaneous Serology</p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Acute</td> <td style="border: none;">Immune Status</td> <td style="border: none;">Acute</td> <td style="border: none;">Immune Status</td> </tr> <tr> <td style="border: none;">Measles <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> <td style="border: none;">CMV <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> <td style="border: none;">Mumps <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> <td style="border: none;">EBV <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> </tr> <tr> <td style="border: none;">Rubella <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> <td style="border: none;">HSV <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> <td style="border: none;">Varicella <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> <td style="border: none;">Parvo B19 <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">Toxoplasma <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> <td style="border: none;"></td> <td style="border: none;">WNV <input type="checkbox"/> IgM <input type="checkbox"/> IgG</td> </tr> </table> <p><input type="checkbox"/> Lyme Ab <input type="checkbox"/> H. pylori Ab <input type="checkbox"/> Mycoplasma pneumoniae IgM</p>	Acute	Immune Status	Acute	Immune Status	Measles <input type="checkbox"/> IgM <input type="checkbox"/> IgG	CMV <input type="checkbox"/> IgM <input type="checkbox"/> IgG	Mumps <input type="checkbox"/> IgM <input type="checkbox"/> IgG	EBV <input type="checkbox"/> IgM <input type="checkbox"/> IgG	Rubella <input type="checkbox"/> IgM <input type="checkbox"/> IgG	HSV <input type="checkbox"/> IgM <input type="checkbox"/> IgG	Varicella <input type="checkbox"/> IgM <input type="checkbox"/> IgG	Parvo B19 <input type="checkbox"/> IgM <input type="checkbox"/> IgG		Toxoplasma <input type="checkbox"/> IgM <input type="checkbox"/> IgG		WNV <input type="checkbox"/> IgM <input type="checkbox"/> IgG	<p>PARASITOLOGY</p> <p><input type="checkbox"/> Ova & Parasites <input type="checkbox"/> Skin Scrapings <input type="checkbox"/> Pinworm Examination <input type="checkbox"/> Blood Smears <input type="checkbox"/> Identification <input type="checkbox"/> Other: _____</p> <p>MICROBIOLOGY</p> <p>Bacteriology <input type="checkbox"/> Culture & Sensitivity (C&S) <input type="checkbox"/> C. difficile Toxin Testing <input type="checkbox"/> MRSA Screen <input type="checkbox"/> Helicobacter pylori Culture <input type="checkbox"/> Other: _____ <input type="checkbox"/> Spore/Sterilizer Testing</p> <p>Gonorrhea <input type="checkbox"/> Gonorrhea Culture</p> <p>Chlamydia & Gonorrhea Screen (NAAT) <input type="checkbox"/> Urine (APTIMA Urine Tube/Yellow) <input type="checkbox"/> Urethra (APTIMA Unisex Swab) <input type="checkbox"/> Cervix (APTIMA Unisex Swab) <input type="checkbox"/> Other: _____</p> <p>Referral Isolate: <input type="checkbox"/> Identification <input type="checkbox"/> Susceptibility Testing <input type="checkbox"/> Subtyping Isolate Information: _____</p> <p>VIRUS DETECTION (must specify virus requested) <input type="checkbox"/> Viral Detection <input type="checkbox"/> PCR/NAAT(specify) _____</p>
Acute	Immune Status	Acute	Immune Status														
Measles <input type="checkbox"/> IgM <input type="checkbox"/> IgG	CMV <input type="checkbox"/> IgM <input type="checkbox"/> IgG	Mumps <input type="checkbox"/> IgM <input type="checkbox"/> IgG	EBV <input type="checkbox"/> IgM <input type="checkbox"/> IgG														
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	Toxoplasma <input type="checkbox"/> IgM <input type="checkbox"/> IgG		WNV <input type="checkbox"/> IgM <input type="checkbox"/> IgG														
<p>OTHER TESTS OR REQUESTS</p> <p>_____</p>																	

IMPORTANT: BLOOD COLLECTION SERVICES ARE NOT AVAILABLE AT CADHAM PROVINCIAL LABORATORY


HIV Viral Load/HIV RNA, HIV Nucleic Acid Testing

What is it for?	Monitors effectiveness of antiretroviral treatment (ART) or how active the virus is for patients who have already tested positive for HIV. HIV viral load is not a diagnostic test.
When is it used?	At baseline and routine intervals according to “Laboratory Testing Schedule for Baseline and Monitoring Investigations of Adults Living with HIV in Manitoba” and the <i>Primary Care Recommendations for the Management of Adults Living with HIV in Manitoba</i> .
What requisition is used?	Cadham Provincial Laboratory Retrovirus Nucleic Acid Testing Requisition
Which blood tubes are used?	Purple/lavender top tubes. Sample requires 2 full 6mL EDTA tubes. 

Important information when completing this requisition:

- 1 Ensure correct reason is checked off in order for the lab to process the sample.
- 2 Specimen type is EDTA (same as the tube).
- 3 Ensure HIV viral load is checked off.
- 4 Ensure most recent CD4 count result and date is checked off in order for the lab to process the sample.
- 5 Note the time sensitivity of samples and preparation instructions.
- 6 Ensure all patient antiretrovirals are checked off. Use the “others” section for medications not included in this list.

See [Cadham Provincial Laboratory Guide to Services](#) for more information on sampling.

Cadham Provincial Laboratory **Manitoba** 

Retrovirus Nucleic Acid Testing Requisition

All areas of the requisition must be completed (please print clearly)


Cadham Provincial Laboratory Tel: (204) 945-6123
P.O. Box 8450 Fax: (204) 786-4770
750 William Avenue E-mail: cadham@gov.mb.ca
Winnipeg, MB R3C 3Y1 Website: www.gov.mb.ca/health/publichealth/cpl/

ADDRESSOGRAPH

BILLING INFORMATION	PATIENT INFORMATION			
Uninsured: <input type="checkbox"/> Cheque/Money Order enclosed <input type="checkbox"/> Payment to follow	PHIN:	MB Health Reg. #		
REASON FOR VIRAL LOAD TESTING	Alternate ID: <input type="checkbox"/> RCMP # <input type="checkbox"/> Other Provinces/Territories <input type="checkbox"/> Military # <input type="checkbox"/> Other			
<input type="checkbox"/> 1. Initial Assessment <input type="checkbox"/> 2. Three month follow-up <input type="checkbox"/> 3. Monitoring Therapy (four weeks after start of medication) <input type="checkbox"/> 4. Change of Therapy (four weeks following change of medication) <input type="checkbox"/> 5. Antepartum Pregnant (only performed on serologically-confirmed cases) <input type="checkbox"/> 6. Infant postnatal follow-up <input type="checkbox"/> 7. Previously suppressed VL now Detectable (patient adhering to therapy) <input type="checkbox"/> 8. Other: _____	Date of Birth: <input type="text" value="YYYY/MM/DD"/>	Sex: <input type="checkbox"/> M <input type="checkbox"/> F <input type="checkbox"/> U <input type="checkbox"/> A <input type="checkbox"/> Chart/Clinic/Lab #		
	Patient Legal Last Name			
	First Name			
	Street or Other (e.g., General Delivery)	Phone #		
	City/Municipality/First Nations Reserve	Postal Code		
SPECIMEN INFORMATION	RETURN REPORT TO			
Specimen Type: EDTA Date/Time: _____	Ordering Practitioner Last	First Initial(s)		
Collected at: _____ (Facility) Collected by: _____	Facility			
TEST REQUESTED	Facility Address			
<input checked="" type="checkbox"/> HIV Viral Load ¹ <input type="checkbox"/> HIV gp41 Inhibitor Resistance ¹ <input type="checkbox"/> HIV Genotyping/Drug Resistance ¹ <input type="checkbox"/> HIV Co-receptor Tropism (call lab) ¹ <input type="checkbox"/> HIV Provirus (call lab to arrange) ² <input type="checkbox"/> HIV INSTI Resistance ¹ <input type="checkbox"/> HIV Proviral DNA Tropism (call lab) ² <input type="checkbox"/> HTLV Proviral DNA (call lab) ²	City/Town			
	Postal Code	Phone # Secure Fax #		
PAST MEDICAL HISTORY	COPY REPORT TO			
Most recent CD4 Count: _____ Other: _____	(Practitioner Last Name) (First Name)			
Cells/ μ L: _____	Facility			
Date: _____	City/Town			
	Postal Code	Phone # Secure Fax #		
CURRENT ANTIVIRALS	<p style="text-align: center;">IMPORTANT</p> <ul style="list-style-type: none"> • Specimens must be labelled with two unique identifiers. • Label specimen with patient's full name and PHIN (or alternate ID). • Improperly labelled specimens will not be tested. • Specimen Collection Date and Time and Specimen Type fields on the requisition must be filled in. <ol style="list-style-type: none"> 1. Collect 10 mL EDTA WHOLE blood (Lavender top tube) and send to CPL within 4 hours, OR Refrigerate centrifuged EDTA plasma and send to CPL on cold pack within 72 hours, OR Send FROZEN centrifuged EDTA plasma on dry ice or within a block of ice if dry ice is not available. Pediatric sample volume – 5 mL EDTA WHOLE blood delivered to CPL within 4 hours 2. Provirus and Proviral DNA Tropism require EDTA WHOLE blood at room temperature (do not centrifuge) within 4 hours. Call (204) 945-7545 for consult. Call (204) 945-7612 to arrange sample submission. 			
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> NRTI <input type="checkbox"/> 3TC Lamivudine <input type="checkbox"/> ABC Abacavir <input type="checkbox"/> AZT Zidovudine <input type="checkbox"/> D4T Stavudine <input type="checkbox"/> ddl Didanosine <input type="checkbox"/> FTC Emtricitabine <input type="checkbox"/> TDF Tenofovir </td> <td style="width: 50%; vertical-align: top;"> PI <input type="checkbox"/> ATV/r Atazanavir <input type="checkbox"/> DRV/r Darunavir <input type="checkbox"/> FPV/r Fosamprenavir <input type="checkbox"/> IDV/r Indinavir <input type="checkbox"/> LPV/r Lopinavir <input type="checkbox"/> NFV Nelfinavir <input type="checkbox"/> SQV/r Saquinavir <input type="checkbox"/> TPV/r Tipranavir </td> </tr> </table>			NRTI <input type="checkbox"/> 3TC Lamivudine <input type="checkbox"/> ABC Abacavir <input type="checkbox"/> AZT Zidovudine <input type="checkbox"/> D4T Stavudine <input type="checkbox"/> ddl Didanosine <input type="checkbox"/> FTC Emtricitabine <input type="checkbox"/> TDF Tenofovir	PI <input type="checkbox"/> ATV/r Atazanavir <input type="checkbox"/> DRV/r Darunavir <input type="checkbox"/> FPV/r Fosamprenavir <input type="checkbox"/> IDV/r Indinavir <input type="checkbox"/> LPV/r Lopinavir <input type="checkbox"/> NFV Nelfinavir <input type="checkbox"/> SQV/r Saquinavir <input type="checkbox"/> TPV/r Tipranavir
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NNRTI <input type="checkbox"/> EFV Efavirenz <input type="checkbox"/> ETV Etravirine <input type="checkbox"/> NVP Nevirapine <input type="checkbox"/> RPV Rilpivirine				
Integrase Inhibitors <input type="checkbox"/> RAL Raltegravir <input type="checkbox"/> EVG Elvitegravir <input type="checkbox"/> DTG Dolutegravir				
Others: _____				

MG-5126 (Rev.10/14)

CD4 COUNT / CD3, CD4, CD8

What is it for?	Monitors a patient's immune system health/strength, for patients who have already tested positive for HIV. The lab reports on a count of the number of CD4 cells in a drop of blood. Patients with treated and controlled HIV will usually have a stable immune system with CD4 count >200 cells/mm ³ .
When is it used?	At baseline and routine intervals according to "Laboratory Testing Schedule for Baseline and Monitoring Investigations of Adults Living with HIV in Manitoba" and the <i>Primary Care Recommendations for the Management of Adults Living with HIV in Manitoba</i> .
What requisition is used?	Shared Health, Immunology Laboratory, Health Sciences Centre Flow Cytometry Laboratory Requisition (Immunology)
Which blood tubes are used?	Purple/lavender top tube. Sample requires 1 full 6mL K2 EDTA tube. 
Special considerations?	Sample must be received by lab within 48 hours, Monday through Friday, by 4pm.

Important information when completing this requisition:

- 1 Check off "Immune Deficiency"
- 2 Check off "PB48"



FLOW CYTOMETRY LABORATORY REQUISITION

****REQUISITION MUST ACCOMPANY SPECIMEN TO FLOW CYTOMETRY LABORATORY ****

Acceptance Policy 10-50-03 - Requirements for Test Requisitions 2.1 - All information marked with an * is mandatory and must be clearly legible. Failure to comply may result in specimen rejection.

ORDERING PROVIDER INFORMATION		PATIENT INFORMATION	
*Last & Full First Name:	Billing Code:	*Last/First Name: (as per MB Health Card)	
*Ordering Facility:	Inpatient Location:	*Date of Birth (dd/mm/yyyy)	
Address:		*Sex: Female Male	
Critical Results Phone Number:	*Fax Number:	*PHN:	
COLLECTION INFORMATION		*Alternate ID: (include ID type with number ie. RCMP, SK, DND)	
*Collection Facility/Lab:		MRN:	
*Collection Date:		Encounter Number:	
*Collection Time:		Demographics verified with: <input type="checkbox"/> Prov. Health Card <input type="checkbox"/> Armband <input type="checkbox"/> eChart/CR	
Referring Lab: <input type="checkbox"/> Check if samples shipped frozen <input type="checkbox"/>		Patient Phone No:	
		Patient Address:	
Number of tubes sent: Serum vial(s) _____ Plasma vial(s/p) _____			
ADDITIONAL REPORT RECIPIENT PROVIDER INFORMATION		ADDITIONAL REPORT RECIPIENT PROVIDER INFORMATION	
Last & Full First Name:	Billing Code:	Last & Full First Name:	Billing Code:
Phone #:	Fax #:	Phone #:	Fax #:
*Clinical Information/Diagnosis:		LIS BARCODE LABEL	
<input type="checkbox"/> Lymphoma <input type="checkbox"/> CLL <input type="checkbox"/> Sezary Syndrome <input type="checkbox"/> Hairy Cell <input type="checkbox"/> Mastocytosis <input type="checkbox"/> Immune Deficiency <input type="checkbox"/> Acute Leukemia <input type="checkbox"/> Other: _____			
Recent Transfusion: <input type="checkbox"/> No <input type="checkbox"/> Yes Date: _____			
Current Radiation/Chemotherapy Treatment: <input type="checkbox"/> No <input type="checkbox"/> Yes Monoclonal Antibody Therapy: <input type="checkbox"/> No <input type="checkbox"/> Yes Generic Name: _____			
*Must be included for all testing excluding PB48 and FLFC <input type="checkbox"/> CBC with Automated Diff – Results Attached <input type="checkbox"/> CBC with Automated Diff – Sent for Testing at Shared Health Site			
Immune Monitoring			
<input type="checkbox"/> PB48	CD4 Count (CD3, CD4, CD8)	EDTA (< 48 hr)	
<input type="checkbox"/> PBL5	Lymphocyte Subset Enumeration (T, B, NK)	EDTA (< 48 hr)	
Immunodeficiency Investigation			
<input type="checkbox"/> RTE4	CD4+ Recent Thymic Emigrants (Includes Naive and Memory T Cells)	EDTA (< 48 hr)	
<input type="checkbox"/> PBBS	Advanced B Cell Phenotyping	EDTA (< 48 hr)	
<input type="checkbox"/> PBTS	Advanced T Cell Phenotyping	EDTA (< 48 hr)	
<input type="checkbox"/> TREG	Regulatory T Cells	EDTA (< 24 hr)	
<input type="checkbox"/> LAD	Leukocyte Adhesion Deficiency (Type I and II)	EDTA (< 24 hr)	
<input type="checkbox"/> OBRT	Neutrophil Function – Oxidative Burst (<i>Microtainer collections will be rejected</i>)	EDTA (< 24 hr)	
Leukemia/Lymphoma Investigation			
<input type="checkbox"/> PBFC	Peripheral Blood Immunophenotyping (<i>Send 1 Unstained Smear</i>)	EDTA (< 72 hr)	
<input type="checkbox"/> FLFC	Fluid Immunophenotyping (<i>CSF ONLY</i>)	RPMI (< 72 hr)	
Miscellaneous			
<input type="checkbox"/> PNH	Paroxysmal Nocturnal Hemoglobinuria	EDTA (< 48 hr)	
<input type="checkbox"/> HSFC	Hereditary Spherocytosis (<i>Send 1 Unstained Smear</i>)	EDTA (< 48 hr)	
<input type="checkbox"/> MIS8	Referral tests require prior approval. Complete the Immunology/Hematology Approval for Testing Form [F150-100-100]		

Immunology Laboratory, Health Sciences Centre
 M55 - 820 Sherbrook Street
 Winnipeg, MB R3A 1R9
 Phone: 204-787-2156
 Fax: 204-787-2058

Additional requisitions and sample requirements available at:
<https://apps.sbgf.mb.ca/labmanual/>

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TF. 1-866-449-0165
 F. 204-318-3181
www.mbHIV.ca