

# CANCER GENETICS AND GENOMICS LABORATORY



**LYMPHOID TESTING**

BC CANCER  
DEPT. OF PATHOLOGY AND LABORATORY MEDICINE  
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CANCER GENETICS LAB  
SHIRE LABEL USE ONLY

PATIENT INFORMATION						REQUESTING PHYSICIAN				
Last Name		First and Middle Names				Last Name	First Name	MSP		
Date of Birth dd/mmm/yyyy	Gender Male    Female    X    Unknown					Phone	Fax			
PHN	BC Cancer ID		Cerner MRN			Address				
						NOTE: PHYSICIAN SIGNATURE REQUIRED (BELOW)				
SPECIMEN						COPY PHYSICIANS (ALL INFORMATION IS NECESSARY)				
Specimen Type PB BM Aspirate MAA ( PB BM) FFPE Block <span style="color: red;">(will be scrolled or cored)</span> CGL Specimen Other _____	Originating Hospital		Collection Date (dd/mmm/yyyy) and Time			Last Name	First Name	MSP		
	Referring Lab/Hospital Sample ID		Tissue Type			Address				
	Tumour Content (%) for circled FISH area		Tumour Content (%) for whole section			Last Name	First Name	MSP		
REASON FOR TESTING / DIAGNOSIS / CLINICAL HISTORY (REQUIRED FOR TEST TO PROCEED)										
						Address				
SEE PAGE 2 FOR ACCEPTED SAMPLE TYPES			CYTOGENETICS (FISH/KARYOTYPE)			MOLECULAR				
LYMPHOID	Acute Lymphoblastic Leukemia		BCR::ABL1 t(9;22) FISH Karyotype			BCR::ABL1: MRD Baseline MRD Monitor Kinase Domain, Current therapy: _____				
	Chronic Lymphocytic Leukemia		FISH Panel (PB/BM only)			CLL NGS Prognostic Panel (including TP53)				
	Lymphoma	Mucosa-associated Lymphoid Tissue (MALT)		MALT1						
		Mantle Cell		CCND1::IGH (PB/BM only)						
		Follicular		BCL2 BCL6						
		DLBCL/High Grade B-Cell Lymphoma		MYC BCL2 (reflex testing only)			Lymphoma Expression Assay (LExA)			
		Burkitt Lymphoma		MYC BCL2 BCL6			Lymphoma Expression Assay (LExA)			
		Burkitt-like with 11q		11q						
		Large B-cell lymphoma with IRF4		IRF4						
		Anaplastic Large Cell		DUSP22, TP63						
Non-Hodgkin's Lymphoma (NHL)					B-cell clonality T-cell clonality					
Lymphoplasmacytic Lymphoma					MYD88					
OTHER	Chimerism					Pre-transplant assessment: Donor Recipient Post-transplant Transplant Date: _____				
	Lymphoid and Myeloid neoplasm with Eosinophilia		FISH Panel							
	Multiple Myeloma		FISH Panel (BM only)			Clonotype determination (new diagnosis of Transplant Eligible Multiple Myeloma only)				
<b>INSTRUCTIONS</b>		For FFPE FISH requests, the following are required or the case will be returned without testing:								
		<ul style="list-style-type: none"> <li>One H&amp;E stained slide with the area for FISH scoring circled on the H&amp;E slide</li> <li>Tumour content (see <b>NOTE</b> below) of the circled FISH region written in the space provided in the Specimen Section (above)</li> <li>Three 4-5µm unstained tissue sections on positively charged slides</li> <li>Tissue block - which will be returned when the test has been completed</li> </ul>								
		For LExA, MYD88, CLL NGS on FFPE specimens, the following are required or the case will be returned without testing:								
		<ul style="list-style-type: none"> <li>One H&amp;E stained slide with the area circled</li> <li>Tumour content (see <b>NOTE</b> below) for the whole section written in the space provided in the Specimen Section (above)</li> <li>A minimum tumour content of 40% is required over the entire section to proceed with LExA testing</li> <li>Tissue block - which will be returned when the test has been completed</li> </ul> <p><b>NOTE:</b> Tumour content refers to the proportion (%) of nuclei that are tumour in a given area</p>								
PHYSICIAN SIGNATURE (REQUIRED)						DATE				
Lab Use Only		EDTA	NaHep	Media	FFPE Block	Scrolls	H&E	IHC	Unstained	Notes
	PB									
	BM									
	Other									

The personal information collected on this form is collected under the authority of the Personal Information Protection Act. The personal information is used to provide medical services requested on this requisition. The information collected is used for quality assurance management and disclosed to healthcare practitioners involved in providing care or when required by law. Personal information is protected from unauthorized use and disclosure in accordance with the Personal Information Protection Act and when applicable the Freedom of Information and Protection of Privacy Act and may be used and disclosed only as provided by those Acts.  
CACG\_CGL\_3009 CGL REQUISITION - LYMPHOID (V.3.1 MAY 2026)

- Additional information and shipping information found on the Cancer Genetics and Genomics Laboratory website: <https://cancergeneticslab.ca/guidelines/specimens/>
- One sample for each request
- For FFPE FISH requests, the following are required or the case will be returned without testing:
  - One H&E stained slide with the area for FISH scoring circled on the H&E slide
  - Tumour content of the circled FISH region written in the space provided in the Specimen Section
  - Three 4-5µm unstained tissue sections on positively charged slides
  - Tissue block - which will be returned when the test has been completed
- For LExA, MYD88, CLL NGS on FFPE specimens, the following are required or the case will be returned without testing:
  - One H&E stained slide with the area circled
  - Tumour content for the whole section written in the space provided in the Specimen Section
  - A minimum tumour content of 40% is required over the entire section to proceed with LExA testing
  - Tissue block - which will be returned when the test has been completed

CYTOGENETICS (FISH/KARYOTYPE)			PB	BM		MAA	FFPE		
			NAHEP	MEDIA TUBE	EDTA	PB / BM	H&E (CIRCLE TUMOUR)	BLOCK / SLIDE	TUMOUR CONTENT/ CELLULARITY
LYMPHOID	Acute Lymphoblastic Leukemia	FISH	6ml	2 x 1ml	1ml	✓			
		Karyotype		2 x 1ml		✓			
	Chronic Lymphocytic Leukemia	FISH Panel	6ml	2 x 1ml		✓			
	Anaplastic Large Cell Lymphoma	FISH					✓	✓	✓
	Burkitt Lymphoma	FISH					✓	✓	✓
	Burkitt-like Lymphoma with 11q	FISH					✓	✓	✓
	DLBCL/High grade B-cell Lymphoma	FISH					✓	✓	✓
	Follicular Lymphoma	FISH					✓	✓	✓
	Large B-cell Lymphoma with <i>IRF4</i>	FISH					✓	✓	✓
	MALT Lymphoma	FISH					✓	✓	✓
OTH	Mantle Cell Lymphoma	FISH	6ml	2 x 1ml	1ml	✓			
	Lymphoid and Myeloid neoplasm with Eosinophilia	FISH panel	6ml	2 x 1ml	1ml	✓			
	Multiple Myeloma	FISH Panel		2 x 1ml					

MOLECULAR (DNA, RNA, ctDNA)			EXTRACTION	PB	BM	MAA	FFPE		
				EDTA	EDTA	PB / BM	H&E (CIRCLE TUMOUR)	BLOCK / SLIDE	TUMOUR CONTENT/ CELLULARITY
LYMPHOID	Acute Lymphoblastic Leukemia	MRD Baseline	RNA	20ml	0.5ml	✓			
		MRD Monitor Kinase Domain							
	Burkitt Lymphoma	Lymphoma Expression Assay	RNA					✓	✓
	Chronic Lymphocytic Leukemia	CLL NGS Prognostic (CVM) Panel	DNA	6ml	0.5ml	✓		✓	✓
	DLBCL/High grade B-cell Lymphoma	Lymphoma Expression Assay	RNA					✓	✓
	Lymphoplasmacytic Lymphoma	<i>MYD88</i>	DNA				✓	✓ BM	✓
OTHER	Non-Hodgkin's Lymphoma	B/T cell clonality	DNA	6ml	0.5ml			✓	
		Pre-transplant assessment	DNA	6ml					
	Chimerism	Post-transplant assessment (sample processed at Stem Cell Lab)	DNA	20ml NaHep @Stem Cell Lab					
	Multiple Myeloma	Clonotype determination	DNA		2ml				