CANCER GENETICS AND GENOMICS LABORATORY
LYMPHOID TESTING

BC CANCER
DEPT. OF PATHOLOGY AND LABORATORY MEDICINE
ROOM 3307 - 600 WEST 10TH AVENUE
VANCOUVER BC V5Z-4E6

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MON-FRI 8:30AM-4:30PM
WWW.CANCERGENETICSLAB.CA
CANCERGENETICSLAB@BCCANCER.BC.CA

ADDRESSOGRAPH OR PATIENT LABEL

PATIENT INFORMATION

Last Name	First and Middle Names	
Date of Birth dd/mmm/yyyy	Gender ☐ Male ☐ Female ☐ Non Binary/Other/Not disclosed	
PHN	BC Cancer ID	Cerner MRN

REQUESTING PHYSICIAN

Name	MSC
Phone	Fax
Address	

NOTE: PHYSICIAN SIGNATURE REQUIRED (BELOW)

SPECIMEN

Specimen Type	Originating Hospital	Collection Date dd/mmm/yyyy
☐ PB ☐ BM Aspirate ☐ MAA ☐ PB ☐ BM) ☐ FFPE Block (will be scrolled or cored) ☐ CGL Specimen ☐ Other _____	Referring Lab/Hospital Sample ID	Tissue Type
	Tumour Content (%) for circled FISH area	Tumour Content (%) for whole section

COPY PHYSICIANS (ALL INFORMATION IS NECESSARY)

Name	MSC
Address	
Name	MSC
Address	
Name	MSC
Address	

REASON FOR TESTING / DIAGNOSIS / CLINICAL HISTORY (REQUIRED FOR TEST TO PROCEED)

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 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)*	

INSTRUCTIONS

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 (see **NOTE** below) of the circled FISH region written in the space provided in the Specimen Section (above)
- 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:

- Tumour content (see **NOTE** below) for the whole section written in the space provided in the Specimen Section (above)
- 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

NOTE: Tumour content refers to the proportion (%) of nuclei that are tumour in a given area

PHYSICIAN SIGNATURE (REQUIRED) | **DATE**

Lab Use Only		EDTA	NaHep	Media	FFPE Block	Scrolls	H&E	IHC	Unstained	Notes
	PB									
	BM									
	Other									

CANCER GENETICS AND GENOMICS LABORATORY
LYMPHOID TESTING

ACCEPTED SAMPLE TYPES FOR EACH TEST REQUEST

- 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:
  - 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:
  - 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 *IRF4*	FISH					✓	✓	✓
	MALT Lymphoma	FISH					✓	✓	✓
	Mantle Cell Lymphoma	FISH	6ml	2 x 1ml	1ml	✓			
OTH	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 MRD Monitor Kinase Domain	RNA	20ml	0.5ml	✓			
	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	*MYD88*	DNA				✓	✓ BM	✓
	Non-Hodgkin's Lymphoma	B/T cell clonality	DNA	6ml	0.5ml			✓	
OTHER	**Chimerism**	Pre-transplant assessment	DNA	6ml					
		Post-transplant assessment (sample processed at Stem Cell Lab)	DNA	**20ml NaHep @Stem Cell Lab**					