

Hematopathology Testing Service Bone Marrow/Blood/Body Fluid Specimens

Clinical Flow Cytometry Laboratory 3477 Euler Way, Room 9032 Pittsburgh, PA 15213 Tel: (412)864-6173 Fax: (412)864-6102

See Page 2 for Specimen Requirements and requests for Molecular and Cytogenetics Testing. Please include Patient Name and DOB at top of Page 2.

PATIENT INFORMATION (Please print or			g. i icase iliciae										
Last Name:			First:					MI:			SSN/MRN#			
												ŕ		
O Outpatient		Birthdate		Genetic S		enetic S	ex:	O Male	Male		nale	ICD 10 Code(s)		
O Inpatient – Room#_														
REFERRING PHYSICIAN (MUST BE COMPLETED)														
Ordering Provider:				Phone (incli	Phone (include area code) Fax (include area code)									
Institution Name Copy 1					ору То:									
Name of person filling out form:						Phone (include area code)								
Date/Time of Collection:					Collection Tech:									
Signature of Ordering Provider (REQUIRED):														
		[DIAGNOS	SIS INFORMATI	ON / IN	IDICATION	ON F	OR TESTIN	NG (Red	quired)				
PB/ CLINICAL ABNORN	MALITIES:													
O Anemia	O Neutro	penia		O Leukocytosis O Eosinop			sinophilia	ilia O Lymphadenopathy O Blast				ast		
O Pancytopenia	O Thromb	O Thrombocytopenia		O Lymphocytosis		С	O Thrombocytosis			O Sp	O Splenomegaly O Other:			
ACUTE LEUKEMIA:	OTHER N	OTHER MYELOID		MATURE B-CELL			MATURE T-CELL		=	PLASMA CELL NEOPLASMS:		SMS:		
O AML	NEOPLAS	SMS	N	NEOPLASMS:			NEOPLASMS:				0 N	O Myeloma		
O APL	O MDS			O Burkitt			O AITL				0 N	O Monoclonal Gammopathy (MGUS)		
O B-ALL	O MPN			O CLL				O T-LGL	·LGL		OTH	OTHER:		
O T-ALL	O CN	1L		O DLBCL				O T-PLL	Γ-PLL		O F	O Hodgkin Lymphoma		
O Uncertain	O PV	O PV / PMF / ET		O Follicular				O MF/Sezary Syndrome			0 N	O Mastocytosis		
	O MDS /	MPN		O Mantle Cell			O Other:			0 N	O Neuroblastoma			
	O CN	-		O Marginal Zone						O Wilms Tumor				
	O Other:			O Other:						00	O Other:			
DISEASE PHASE (if appli	icable).	O Prese	ntation			O F	Post ⁻	Therapy				O Recurrence		
Additional Clinical Info		0 11030	intation							Last Date				
Additional Chilical Info	illiation.						O Chemotherapy			Edst Butc				
						O Ag Directed (MAB/CAR-T) RX								
Madiantiana									лы/сл	11/11/11/11				
Medications:						0.0								
					O Growth Fac				or					
				CDECIMAE!	NI INIEO									
SPECIMEN INFORMATION (Required) O Right Iliac Crest O Fluid (Type/Site)														
Type of Specimen:	O Peripheral E	Blood	O Bone	Marrow	-	lliac Cre				riulu (1	ype/site	=)		
	PLFASI	E SEND A CO	OPY OF					FRENTIA	L AND	A PERIP	HERAL S	SMEAR		
PLEASE SEND A COPY OF THE MOST RECENT CBC & DIFFERENTIAL AND A PERIPHERAL SMEAR TESTING REQUESTED (Required)														
BONE MARROW INTERPRETATION: Includes peripheral blood interpretation, if available.														
O Bone Marrow Smears for Interpretation O Bone Particle Prep for Interpretation (Yellow top/ACD tube)														
Ancillary testing will be determined by pathologist unless otherwise indicated by checking this box □														
PERIPHERAL BLOOD INTERPRETATION: Without bone marrow - Please send 2 PB smears along with current CBC report. O Diagnostic evaluation of peripheral blood O Sezary Cell Evaluation														
FLOW CYTOMETRY TESTING									MINIMUM RESIDUAL DISEASE					
O Leukemia Panel	O PNH O T-Lymph Sub				bset Pa	et Panel O Plasma Cell Myeloma: (pt. MUST be in CR/			R/VGPR)					
O Lymphoma Panel	O ALPS Evaluation O CD4+ Only Ev							→ ATTESTATION SIGNATURE: (required below)			•			
O R/O Myeloma	O Sezary Cell Evaluation O Other (Speci					ify):		O B-ALL (Flow) COG# (if applicable):						
O R/O LGL	O CGD (NOBA) Evaluations							С	O Other:					

PATIENT INFORMATION:	Last Name:	First N	ame:	MI:	SSN/MRN#		
MOLECULAR & GENOMIC PATHOLOGY (MGP) Molecular Oncology Test(s) Requested * Check All That Apply *							
☐ Comprehensive Hematop Pathologist (based on BM eva	pathology Molecular Analysis as a aluation) - BMA only	per	O DNA/RNA Storage				
Lymphoid Neoplasms			Myeloid Neoplasms (Bone Marrow Aspirate preferred)				
O TP53 NGS (mutations and copy number alterations)			O Myeloid NGS Panel (54 genes, including FLT3, NPM1, TP53, JAK2, MPL, CALR, CEBPA) If BMA, test will be held; reviewing Pathologist will order if appropriate.				
O B-Cell Clonality Analysis (IgH and IgK gene rearrangement testing, PCR)			O FLT3 Analysis includes internal tandem duplication with allelic ratio and 835/836 codon analysis, PCR				
O T-Cell Clonality Analysis (Beta and Gamma chain gene rearrangement, PCR)							
Minimal Residual Disease			Single Gene Testing				
O t(9;22) BCR-ABL1 Quantitative RT-PCR Major (M) Breakpoint			O CALR (Calreticulin) Mutation Analysis exon 9, Sanger Sequencing				
O t(9;22) BCR-ABL1 Quantitative RT-PCR Minor (m) Breakpoint			O JAK2 V617F Mutation Testing myeloproliferative disorders, PCR				
O t(15;17) PML-RARA Translocation RT-PCR intron 3 breakpoint			O CEBPA Gene Sequencing for mutations, Sanger Sequencing, *BMA preferred				
O t(15;17) PML-RARA Translo breakpoint	ocation RT-PCR intron/exon 6						
O NPM1, Quantitative testing (Types A, B and D)			O Other (please specify):				

Disease Phase	Test Requested (MUST be completed)						
O New Diagnosis:	(includes karyotype, FISH tests O Culture and Hold (Relevant dia O Chromosome Analysis (Karyoty	ogy Cytogenetic Analysis as per Pathologist and/or panel, oncology microarray testing, or agnostic testing will be ordered by the review appe) with Confirmatory FISH Testing* A breakapart if necessary; STAT for new diag	liagnosis specific) ing pathologist)				
O Relapse	O Integrated B-ALL Package: B-All O T-ALL Package: T-ALL FISH Pane	O Onco Array					
	O Integrated MDS Package: Onco Array, Karyotype* O Integrated AML Package: Onco Array, Karyotype*, FISH** (CBFB; RUNX1T1/RUNX1; KMT2A) rearrangements						
	O Integrated CLL Package: Onco Array (CD19+ or whole PB/BM), Karyotype*, complementary FISH testing**						
	O MM Package (includes plasma cell separation): Karyotype, FISH (IGH, IGH/MYC); MM Microarray, Includes Reflex FISH for IGH partners (CCND1, FGFR3, CCND3, MAF, MAFB)**						
O Remission (Post Therapy)	O Culture and Hold O Follow-up FISH (specify):	O Karyotype	O MM Follow-up CD138+ FISH				
	Unless specified, ONLY follow–up FISH testing for previously detected abnormal clone(s) will be performed on remission specimens once an initial FISH testing has been performed.						
O Post- Transplant	O XX/XY donor FISH test						
O Other Test	O FISH as per Pathologist (specify	y):					
O Post-Bone Marrow	Transplant: Days post transplant	Genetic Sex of Donor:	O Male O Female				

guidelines. Laboratory reserves the rights to determine a suitable methodology for testing including unstimulated and/or stimulated short and long-term cultures, FISH and/or microarray assay preferences, and FISH probe selection.

**Visit our website for complete probe and panel listing as well as disease-specific testing approaches (https://geneticslab.upmc.com/)

Specimen Requirements (Each laboratory requires an individual specimen)						
Clinical Flow Cytometry Laboratory	Bone Marrow (2 ml Green top) Peripheral Blood (5 ml Purple top)	Ship at room temp by overnight delivery in a properly labeled shipping container for biohazar substances. If bone marrow, send one non-heparinized, unstained bone marrow slide if possil				
Molecular & Genomics Pathology Laboratory	Bone Marrow (3 ml Purple top) Peripheral Blood (3 ml Purple top) O (MUST complete Molecular & Genomic F	Blood should be refrigerated until shipment at 4°C. Ship at room temp by overnight delivery in a properly labeled shipping container for biohazard substances				
UPMC Cytogenetics Lab (Classical, FISH, Microarray)	Bone Marrow (3 ml Green top)	Specimen should be drawn in a heparinized syringe and placed in a Green top (sodium heparin) tube. Ship at room temp. An additional 1 ml Purple top (EDTA) tube is needed for microarray orders.				
	Peripheral Blood (1 ml min. Green top) O (MUST complete UPMC Cytogenetic Laboration)					