



Clinical Laboratory
 800 Rose Street, Room HA619
 Lexington, Kentucky 4053

Phone: (859) 323-5431
 FAX: (859)

PATIENT NAME:	
MEDICAL RECORD #:	
SOCIAL SECURITY #:	
DATE OF BIRTH:	
<input type="checkbox"/> Inpatient	<input type="checkbox"/> Outpatient

BONE MARROW TESTING

Referring Physician	Phone	Date/Time Specimen Collected:
Address	Fax	

Bone Marrow Specimen (check all that apply): <input type="checkbox"/>		Aspirate		Biopsy
		Right		Left

CLINICAL DIAGNOSIS (Required) :

TEST(S) check all that apply:

IMP Lab (859)323-5327	Core Lab (859)257-1973
Specimen Requirements: Bone Marrow aspirate in EDTA	Aspirate / Biopsy (Dry Tap Y / N)
Cell Markers for Leukemia / Lymphoma	

Molecular & Genomic Pathology (323-5327)

Specimen Requirements: Bone Marrow aspirate in EDTA			
	Hematologic Malignancy Panel		CEBPA
	FLT3-ITD		Chimerism, Pre-Transplant
	FLT3-TKD		Chimerism, Donor
	NPM1		Chimerism, Post-Transplant

Cytogenetics (859)257-3736

Specimen requirements: Bone marrow aspirate in sodium heparin	
Adults: 2 - 3 mL, 4 - 5 mL required for Multiple Myeloma FISH panel	
Children: 1 - 3 mL	
	Chromosome Analysis only
	Chromosome Analysis and FISH (Select on reverse side)
	FISH only (Select on reverse side)
Other:	

BONE MARROW FISH TEST(S)

Follow up FISH testing; Previous abnormal probes will be performed except in Multiple Myeloma Follow up/progression.	DXZ1/DYZ3 (sex mismatch BMT engraftment monitoring)
	E2A (TCF3) (ALL) t(1:19) & variants
Adult B-cell ALL panel- (new diagnosis)	E2A (TCF3)/PBX1/ (ALL) t(1:19)
Adult B-cell ALL Panel - (follow up)	ETO (RUNX1T,MTG8)/(AML1)(RUNX1)(AML) t(8;21)
Adult T-cell ALL Panel - (new diagnosis)	EV11 (MECOM) (MDS, AML) inv(3), t(3;3) & variants
Adult T-cell ALL Panel - (follow up)	EWSR1 (Ewing's sarcoma, PNET) t(11;22) & variants
Adult AML Panel - (new diagnosis)	FGFR1 (8p11) myeloproliferative syndrome
Adult AML Panel - (follow up)	IGH/BCL2 (follicular lymphoma) t(14;18)
Burkitt's leukemia/lymphoma panel	IGH/CCND1 (mantle cell lymphoma, multiple myeloma) t(11;14)
Pediatrics B-cell ALL Panel - (new diagnosis)	IGH/CCND3 (multiple myeloma) t(6;14)
Pediatrics B-cell ALL Panel - (follow up)	IGH/FGFR3 (multiple myeloma) t(4;14)
Pediatrics T-cell ALL Panel - (new diagnosis)	IGH/MAF (multiple myeloma) t(14;16)
Pediatrics T-cell ALL Panel - (follow up))	IGH/MAFB (multiple myeloma) t(14;20)
Pediatrics AML panel - (new diagnosis)	IGH/MYC (Burkitt lymphoma, L3 ALL) t(8;14)
Pediatrics AML panel - (follow up)	Monosomy 5/del 5q (MDS,MPD, AML)
CLL panel (new diagnosis)	Monosomy 7/del 7q (MDS,MPD, AML)
CLL panel (follow up)	D8Z2 (MDS,MPD, AML) (trisomy 8)
Lymphoma panel, follicular center cell	D20S108 (MDS,MPD,AML) (del 20q)
Lymphoma panel-Aggressive B-cell	MLL (ALL, AML) t(11)(q23)
Lymphoma panel, Marginal Zone	MYB (ALL,CLL/SLL,NHL)del6q
MDS panel (new diagnosis)	MYC & IGH/MYC (Burkitt lymphoma/L3 ALL, new diagnosis t(8;14) &
MDS panel (follow up)	MYC (Burkitt, L3 ALL) t(8;14) & variant
Multiple Myeloma New Diagnosis panel Tier 1 with reflex to Tier 2 (New Diagnosis/Initial Prognosis)	NMYC (neuroblastoma) (NMYC amplification)
	p16 (ALL) (del 9p)
Multiple Myeloma panel (follow up/progression)	p53 (del 17p)
MPD/MPN/MPS panel (new diagnosis)	PDGFRA/FIP1L1 (CEL,HES) [del 4q12, t(4q12)
MPD/MPN/MPS panel (follow up)	PDGFRB (CMML, aCML,CEL,MPD)t(5;12) & variants
MPD/MPN/MPS with eosinophilia panel (new diagnosis)	PML1/RARA (APL) t(15;17)
MPD/MPN/MPS with eosinophilia panel (follow up)	RB1 (retinoblastoma) (del 13q)
AP12/MALT lymphoma) t(11;18)	TCL1 (T-cell ALL) t(14)(q32)
BCL2 (follicular lymphoma) t(14;18) & variants	TRA/D (T-cell ALL) t(14)(q11)
BCL6 (NHL) t(3q27)	TRB (T-cell ALL) t(7)(q34)
BCR/ABL1 (CML,ALL, AML) t(9;22)	TEL (ETV6)/AML1 (RUNX1)(B-cell ALL) t(12;21)
BCR/ASS/ABL1 (CML,ALL,AML) t(9;22)	Other:
CBFB (AML) (inv 16), t(16;16)	
CRLF2,P2RY8 (Xp22.3 or Yp11.2 rearrangement)	
D4Z1, D10Z1, D17Z1 hyperdiploidy analysis (B-cell ALL)	
D12Z3 (CLL)	
D13S319/13q34 (del13q/monosomy 13)	
DEK/NUP214 (AML,MDS) t(6;9)	