

University of Kentucky Hospital Chandler Medical
Center Lexington, Kentucky 40536

Cytogenetics Laboratory
Department of Pathology
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PATIENT NAME:

MEDICAL RECORD # :

DATE OF BIRTH:

CYTOGENETICS REQUISITION - ONCOLOGY

Attending Physician	Pager #	Date/Time Specimen Collected:
Requesting Physician	Pager #	

SPECIMEN (check one): *Deliver to HL423 University of Kentucky Hospital*

Bone marrow aspirate in sodium heparin: Adults: 2-3 mL (4-5 mL if Multiple Myeloma FISH Panel** is ordered) Children: 1-3 mL		Lymph node:	Minimum: 5 mm x 5 mm x 5 mm Preferred: 10 mm x 10 mm x 10 mm
		Tumor:	Minimum: 10 mm x 10 mm x 10 mm
Peripheral blood for evaluation of leukemia/lymphoma: (may be substituted for bone marrow if peripheral WBC ≥ 15,000 and blasts >10%): All ages: 7-10 mL in sodium heparin		Other (specify):	
Formalin-fixed paraffin-embedded tissue (for FISH analysis only) Specimen fixation requirements: 10% Neutral Buffered Formalin 6-72 hours (6-48 hours preferred). No decalcification.			

CLINICAL DIAGNOSIS (REQUIRED) :

TESTING REQUESTED (check all that apply):

<input type="checkbox"/> Chromosome analysis only
<input type="checkbox"/> Chromosome analysis and FISH – <i>FISH TEST(S) MUST BE SELECTED ON THE REVERSE SIDE</i>
<input type="checkbox"/> FISH only – <i>FISH TEST(S) MUST BE SELECTED ON THE REVERSE SIDE</i>

LAB USE ONLY

CG

Date/Time received _____

CDM's _____

FISH TEST(S) REQUESTED

	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)	

FISH TEST(S) REQUESTED - FORMALIN-FIXED PARAFFIN-EMBEDDED TISSUE ONLY:

	Lymphoma panel	MDM2 amplification sarcoma
	1p/19q codedltion brain(glioma)	MYC rearrangement lymphoma
	ALK rearrangement lung	ROS 1 rearrangement lung
	BCL2 rearrangement lymphoma	SYT-SS18 rearrangement sarcoma
	BCL6 rearrangement lymphoma	Other: please specify
	EWSR1 rearrangement sarcoma	
	HER2 amplification breast and upper gastrointestinal	

LAB USE ONLY

CGF Date/Time received _____

CDM's _____