MAYO CLINIC
Mayo Medical Laboratories

Cytogenetics Hematologic FISH Panel Patient Information Sheet

Instructions: Please complete all information below. When completed, send this paperwork with the specimen. For questions or additional assistance, phone 1-800-533-1710 and ask for the on-call Cytogenetics Genetic Counselor.

Patient Name *(First, Middle, Last)*	Birth Date *(Month DD, YYYY)*	MML Account Number
Referring Physician Name	Phone	Fax
Other Contact	Phone	Fax

Reason for Referral

Diagnosis Status: ☐ Suspected/Unknown ☐ Known/Previously diagnosed ☐ Not Applicable

Transplant Status: ☐ Pre-Transplant ☐ Post-allogeneic Same Sex Transplant ☐ Post-allogeneic Opposite Sex Transplant ☐ Post-autologous Transplant ☐ Not Applicable

Testing: Check boxes for entire panel or specific probes needed. If patient is being tracked for a known anomaly, please mark that anomaly below.

FBALL-ALL (B-Cell), FISH

Probe Loci	Chromosome Anomalies
☐ *PBX1/TCF3*	t(1;19)
☐ *ETV6/RUNX1*	t(12;21)
☐ *ABL1/BCR*	t(9;22)
☐ *MLL*	11q23 rearrangement
☐ *CDKN2A*/Cen9	-9/9p deletion or +9
☐ Cen4/Cen10/Cen17	hyper-or hypodiploidy
☐ *IGH*	14q32 rearrangement

FRTAL-ALL (T-Cell), FISH

Probe Loci	Chromosome Anomalies
☐ *ABL1/BCR*	t(9;22) and *ABL1* amplification
☐ *MLL*	11q23 rearrangement
☐ *CDKN2A*/Cen9	-9/9p deletion or +9
☐ *TAL1/STIL*	1p32 rearrangement
☐ *TLX3/BCL11B*	t(5;14)
☐ *TRß*	7q34 rearrangement
☐ *MLLT10/PICALM*	t(10;11)
☐ *TRαδ*	14q11.2 rearrangement

FAML-AML, FISH

Probe Loci	Chromosome Anomalies	Subtype
☐ *PML/RARA*	t(15;17)	M3
☐ *MYH11/CBFB*	inv(16) or t(16;16)	M4,Eos
☐ *RUNX1T1/RUNX1*	t(8;21)	M2
☐ *DEK/NUP214*	t(6;9)	M2,M4
☐ *RPN1/MECOM*	inv(3)	M1,M2,M4,M6,M7
☐ Cen8/*MYC*	+8	M0-M7
☐ *MLL*	11q23 rearrangement	M0-M7
☐ *MYST3/CREBBP*	t(8;16)	
☐ D5S630/*EGR1*	-5/5q deletion	
☐ D7S486/Cen7	-7/7q deletion	
☐ *ABL1/BCR*	t(9;22)	
☐ D13S319/*LAMP1*	13q deletion	
☐ D20S108/20qter	20q deletion	

80027 - B-Cell Lymphoma, FISH, Tissue
FBLP - B-Cell Lymphoma, FISH, Blood/Bone Marrow

Probe Loci	Chromosome Anomalies	Subtype
☐ *BCL6*	3q27 rearrangement	Diffuse large B-Cell
☐ *MYC*	8q24 rearrangement	Burkitt, Burkitt-like large B-Cell
☐ *MYC/IGH*	t(8;14)	Burkitt, Diffuse large B-cell
☐ *MYC/IGL*	t(8;22)	Burkitt, Diffuse large B-cell
☐ *CCND1/IGH*	t(11;14)	Mantle cell
☐ *IGH/BCL2*	t(14;18)	Follicular, Diffuse large B-cell
☐ *BIRC3/MALT1*	t(11;18)	MALT
☐ *IGH/MALT1*	t(14;18)	MALT (blood & bone marrow only)

FCLL-CLL, FISH

Probe Loci	Chromosome Anomalies
☐ Entire Panel Only	
MYB/Cen6	-6/6q deletion
ATM/Cen11	-11/11q deletion
MDM2/Cen12	+12
D13S319/*LAMP1*	-13/13q deletion
CCND1/IGH	t(11;14)
TP53/Cen17	17p deletion

FIMRG - Imatinib Mesylate Responsive Genes, FISH

Probe Loci	Chromosome Anomalies
☐ *ABL2*	1q25 anomalies
☐ *CHIC2*	4q12 anomalies
☐ *PDGFRB*	5q33 anomalies
☐ *ABL1*	9q34 anomalies

FMDS - MDS, FISH

Probe Loci	Chromosome Anomalies
☐ D5S630/*EGR1*	-5/5q deletion
☐ D7S486/Cen7	-7/7q deletion
☐ Cen8/*MYC*	+8
☐ D13S319/*LAMP1*	-13/13q deletion
☐ D20S108/20qter	20q deletion/ider(20q)
☐ *RPN1/MECOM*	inv(3)
☐ *MLL*	11q23 rearrangement

FPCPD - Plasma Cell Proliferative Disorders, FISH (bone marrow aspirate only)
FMFC - Myeloma, FISH (fixed cell pellet only)
(For FPCPD - Entire Panel Only)

Probe Loci	Chromosome Anomalies
☐ *IGH*	14q32 rearrangement
☐ *CCND1/IGH*	t(11;14)
☐ *TP53*/Cen17	-17/17p deletion
☐ *Rb1/LAMP1*	-13/13q deletion
☐ Cen9/Cen15	+9 and +15
☐ Cen3/Cen7	+3 and +7

89041 - T-Cell Lymphoma, FISH, Tissue
FRTLP - T-Cell Lymphoma, FISH Blood/Bone Marrow

Probe Loci	Chromosome Anomalies
☐ *TCL1A*	14q32 rearrangement
☐ D7S486/Cen7 and Cen8/*MYC*	-7/iso(7q)+8
☐ *ABL1/NUP214* (tissue only)	ABL1 amplification
☐ *ALK* (tissue only)	2p23 rearrangement
☐ *MLL* (blood and bone marrow only)	11q23 rearrangement
☐ *CDKN2A*/Cen9 (blood and bone marrow only)	-9/9p deletion or +9

MML Supply T603
MC1235-134rev0712